

Park Tool
USA

Park Tool
usa 20002



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Park Tool STAFF

Our staff would like to take time to thank you for choosing tools from Park Tool. Our commitment to you is to continue to make quality our number one goal.

Catalog legend

Tech Note

Look for the "Tech Note" box for a important technical information



Tech Tips Online

Look for the "Workshop" button and a web address for more information in the Workshop section of our web site.



Park Tool Limited Lifetime Warranty

Park Tool Company backs its tools with a limited lifetime warranty. If a Park Tool product fails to perform its intended purpose, under normal usage, due to defects in material or workmanship, the tool will be repaired or replaced at our option. Tools that are worn from normal use, or damaged due to accident, abuse, neglect, or modification are not covered by the warranty. When possible, tools not covered under warranty will be repaired for a reasonable charge. This warranty does not cover consequential damage or cost of injury incurred by the user. The TW-3 and TW-4 Torque Wrenches are warranted for one year from date of purchase. Tools for warranty consideration should be returned to the point of purchase or to Park Tool Company.

Presenting Our Products



"Quality and reliability are two often over-used and abused words. At Park Tool we take them very seriously and are constantly striving to produce the finest products possible, as we have for almost forty years. As bicycles change, we also change, but our quest for quality and reliable products does not change. Our reputation depends on that. You can count on Park Tools day in and day out. Innovative-practical-dependable."

- Eric Hawkins and Howard Hawkins

The rest of the story...

We believe our business has been successful because of our faith in God. Man is constantly looking for success and trying to acquire wealth, but is always striving for something more. He will never be satisfied until settling the most important of all questions in life — his relationship with God. That relationship is possible through belief in His Son, Jesus Christ.



Special thanks to
Bookoo Bikes,
Chanhassen MN for use
of their shop for our
cover photo.

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paper. 10% Post consumer fiber

Go to School with Park Tool

Park Tool Company announces the Park Tool School, a unique program for attracting and holding loyal customers to the bicycle retailer. The Park Tool School is a pre-packaged program and curriculum designed to assist the retailer in running bike repair clinics. The Park Tool School contains a detailed Store/Instructor's Manual to guide planning the curriculum and promoting the clinic for the store. The corresponding Student Manual provides information on basic mechanical skills as well as detailed instructions for repairing and maintaining wheels, bearing assemblies, braking and shifting systems, etc. - everything the student needs to know to keep their bicycle rolling smoothly and safely. The material in the Student Manual acts as the outline for each session of the clinic to be augmented by the hands on demonstration of the instructor and the student working on his or her own bicycle. After the clinic is done, students keep their manual as a reference of what was covered in the course. Retailers purchasing the program will be posted to the Park Tool web site at www.parktool.com where customers can access a list of participating dealers.



Park Shop Service and Supply

Park Shop Service and Supply is a division of Park Tool supplying directly to the bike dealer and professional mechanic a full range of shop supplies. Park Shop Service and Supply has partnered with:

- Dickies® brand professional work clothes (customized with your shop's logo).
- Equipto® brand industrial storage: premier shop shelving, parts drawers, benches and mezzanines in custom colors and specifications.

The Park Shop Service and Supply® line also includes complete shop workbenches, disposable nitrile gloves, cushioned shop floor mats, parts washers and the TS-3 Master Wheel Truing Stand.

View the full Park Shop Service and Supply line or request a catalog at:

www.parktool.com or call 888-568-4959.

Park Tool Web Site

Completely redesigned with extra product information, technical information, pictures, tool lists and more, the all new Park Tool Web Site is now even more useful to bicycle retailers and home mechanics alike. In addition to images and descriptions of nearly 250 bicycle specialty tools, the site includes the following information:

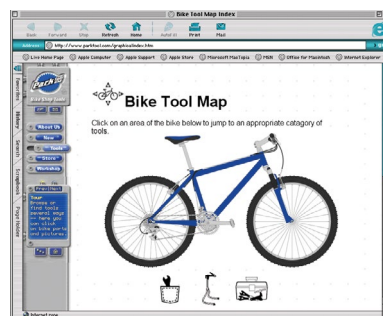
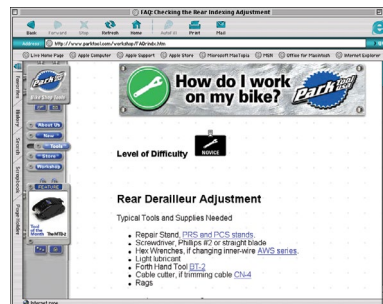
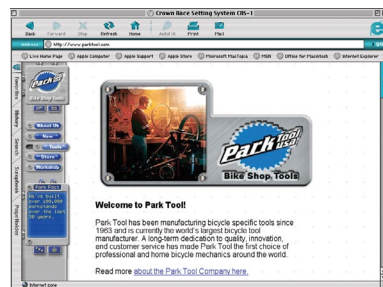
- Virtual Park Tool Factory tour.
- Park Tool P.O.P retailer locator.
- Recommended tool lists ranging from novice to professional repair shop listings.
- Over 75 “frequently asked questions” ranging from tire and tube changing to repairing four different bottom bracket types.
- Complete Park Tool parts lists and exploded view drawings.
- Downloadable tool instructions sheets.
- New products.
- T-shirts, hats, mugs and other Logo merchandise for sale.
- Technical support e-mail.

Also included is the all new "Bike Map" tool locator. Point and click any area of a bicycle image and the user is taken to the related tool product pages and given a full description of the tool and its use.

Park Tool's web site can be found at:

www.parktool.com

e-mail: info@parktool.com





"Our first product was the PRS-1 Repair Stand. Now our stands can be found in thousands of bike shops all over the world."

Repair Stands



Intro to Repair Stands

Investing in a high quality repair stand is the first step toward building a high quality workstation. Over the past 40 years we've built over a hundred thousand workstands for home mechanics, shop mechanics, and professional race mechanics all over the world. Many of the PRS-1 stands we built in the 1960's are still in use daily, and we're constantly striving to improve and update our newest generation of stands. Each of our models offer different features and quality levels to ensure a model for nearly every purpose. All of our stands are made to allow full rotation to ensure a comfortable working position at all times. We also offer a complete line of replacement parts to keep your investment running smoothly. Ask any professional mechanic about their stand and you're bound to hear "Park Tool" as the response. Insist on the quality and innovation of genuine Park Tool workstands. Designed and built to last for years of use.

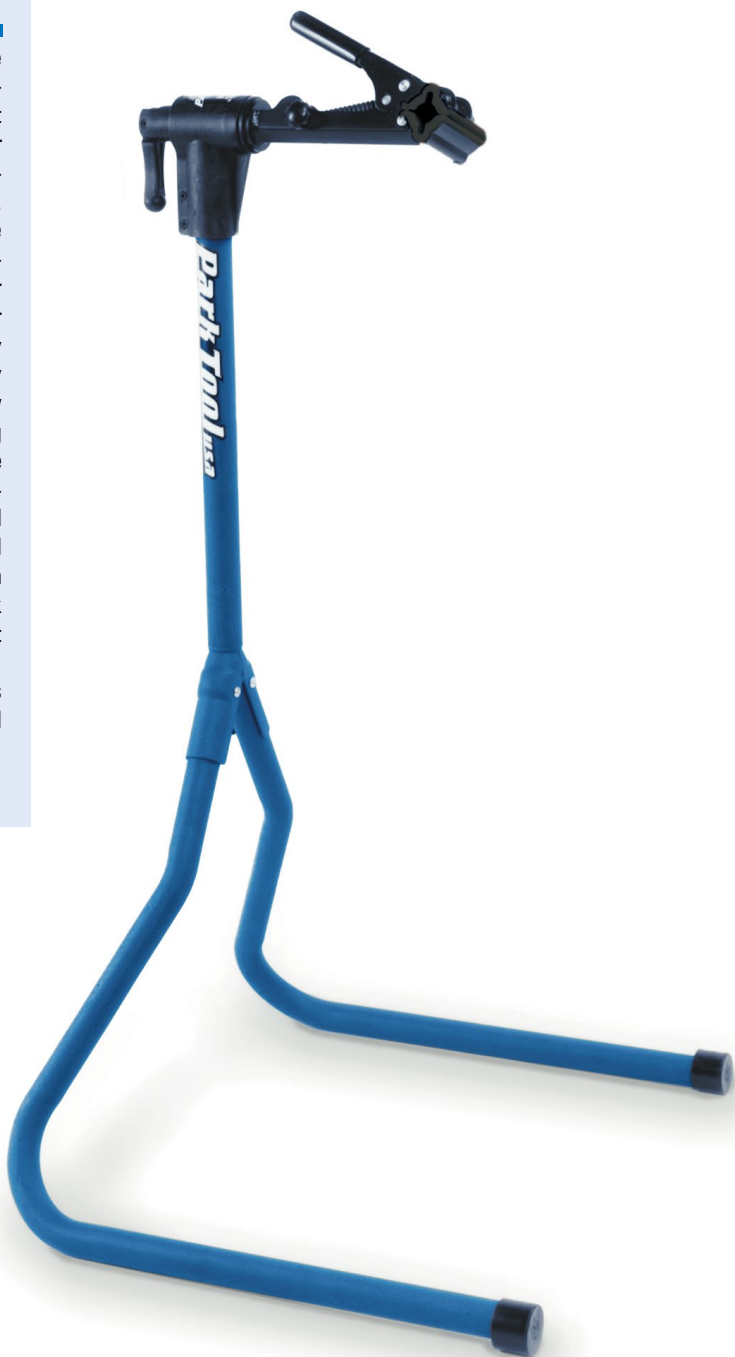
Park Tool Repair Stands feature the famous Park Tool clamp, unique enough to be granted a U.S. Patent.

Home Mechanic Repair Stand PCS-1

More and more cycling enthusiasts are demanding a high-quality repair stand so they can do their own bicycle repairs. We've taken the best features of our shop stands and built them into this home mechanic stand:

- Now TALLER: 52"
- A quick-adjusting clamp that fits frame tubes up to 1-5/8".
- Infinite 360 degree rotation for securing bike at a variety of angles.
- Quality construction for years of trouble-free use.
- Flip handle makes it easy to secure the angle of the bike.
- Tapered rotational locking system.
- Folds easily for storage.
- Competitively priced.
- Strong, sturdy, and attractive.
- Constructed of heavy steel tubing and powder coated for a long lasting finish.
- Rubber feet are adjustable for uneven floors.

For easy storage, simply lift the stand and the legs fold together. Backed by the Park Tool warranty and reputation for quality.



Just lift and the PCS-1 folds.

Professional Race Stand PRS-5

Originally developed for professional road and mountain bike race teams, the PRS-5 is a high quality, fully adjustable stand that quickly folds for easy transport and storage. Used by more professional road and mountain bike race teams than any other stand.

Key features include:

- Clamping pressure is fully adjustable.
- Elvax® covered cast aluminum jaws can be adjusted to fit any frame tube up to 1-5/8".
- Bicycle can be rotated a full 360 degrees and securely locked at any angle using the exclusive Park Tool tapered rotational locking system.
- The height of the clamp is adjustable from 40" to 60" so the user can work at the height that is most comfortable and efficient.
- The entire repair stand weighs less than 17 lbs. and quickly and easily folds down to 40" x 7" x 7" for easy carrying and storage. Includes nylon travel bag.
- The legs on the PRS-5 fold out to form a base that is super strong and stable.
- The PRS-5 is constructed of a combination of high tech materials: custom drawn aluminum tubing, composite fittings, and powder coating for durability.

Truly in a class by itself, the PRS-5 Professional Race Stand is no longer a "custom" stand available only to race teams. Now it's available to anyone looking for a high quality repair stand that is strong, reliable, lightweight, and portable.



Deluxe Home Mechanic Repair Stand PCS-4

The newest addition to the line of Park Tool repair stands. The PCS-4 Deluxe Home Mechanic Repair Stand folds flat for easy storage, allows a bike to be rotated 360 degrees, clamps tubes up to 1 5/8", and has a durable powder coat finish, just like the PCS-1 Home Mechanic Repair Stand. The PCS-4, however, incorporates three additional features: It uses our cast aluminum, adjustable linkage clamp—the same clamp used in our heavy duty repair stands, adjustable from 7/8" to 1 5/8". It also has three height adjustment positions (51", 54", and 57"), allowing a comfortable working height for any mechanic—even when clamping on the seatpost of the bike. Finally, it uses a new leg stabilizing system—a system that creates a rock-solid base that resists tipping. As with all Park Tool Repair Stands, the PCS-4 is designed and built to deliver years of service.



Fold, pack, and go!



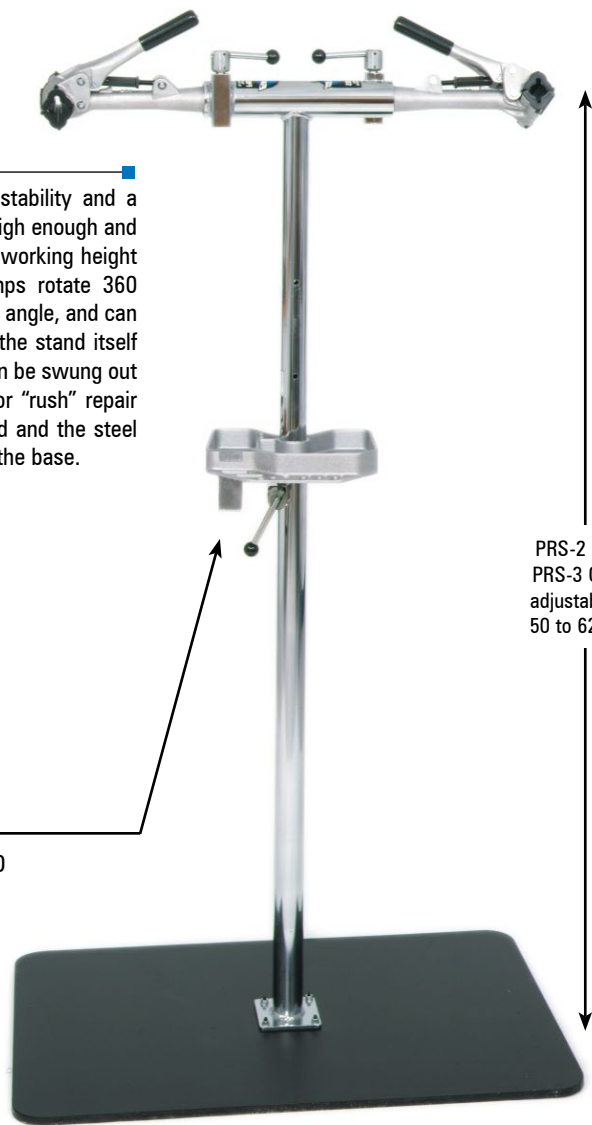
"We research and use the latest high tech materials and designs."

Repair Stands



Deluxe Double Arm Repair Stand PRS-2 OS

The standard for the past 30 years. Outstanding stability and a working height range of 50" to 62" (127-158cm)—high enough and stable enough to position the bike at a comfortable working height even when clamping on the seat post. The clamps rotate 360 degrees, allowing the bicycle to be positioned at any angle, and can be adjusted for frame tubes up to 1-5/8". Because the stand itself also rotates horizontally 360 degrees, one bicycle can be swung out of the way, allowing the other clamp to be used for "rush" repair jobs. The entire framework is heavily chrome plated and the steel base is painted. The stand is also available without the base.

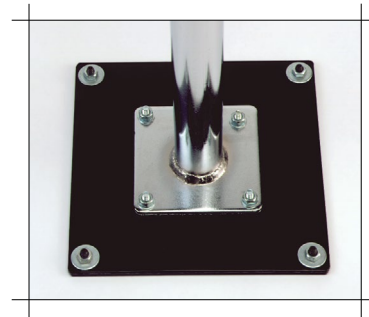


PRS-2 OS and
PRS-3 OS both
adjustable from
50 to 62 inches

TOOL
TRAY
INCLUDED

Deluxe Single Arm Repair Stand PRS-3 OS

This stand is one-half of the Park Tool Deluxe Double Arm Repair Stand (PRS-2 OS), and incorporates most of the same features in a stand suitable for smaller areas. The clamp rotates 360 degrees and is adjustable for virtually any size frame tubing up to 1-5/8". Clamp height is adjustable from 50" to 62" (127-158cm) using larger diameter tubing and a 65 pound base to ensure a rigid working station. The PRS-3 OS is heavily chrome plated and is also available without the base.



Floor Plate FP-2

Permanently and securely attach your Park Tool Repair Stand to the floor of your shop with our Floor Mounting Plate. Made with an 8" square of steel, it attaches to stand with four bolts which are included.



Clamping Tip: The clamps used on the PRS-2 OS, PRS-3 OS, PRS-4 OS, PRS-4W, and PRS-12 may be removed from the stand, and then clamped to the bike. Lift the bike and clamp together and insert into the stand.

Deluxe Wall Mount Repair Stand PRS-4W

Designed to be easily mounted to any post or wall stud, the PRS-4W is a shop quality stand using the same clamp and locking system as the PRS-2 OS, PRS-3 OS, and PRS-4 OS. Powder coat finish. (Mounting bolts not included).

Home Mechanic Bench Mount Repair Stand PCS-2

This is the bench mount version of our popular Home Mechanic Repair Stand (PCS-1). It incorporates the same adjustable clamp and will rotate the bicycle 360 degrees, holding it steady at any angle. Durable powder coating. Mounts to any flat surface. (Bolts not included).

Bench Mount Repair Stand PRS-7

Easily mounted on any workbench. Uses the same adjustable linkage clamp and locking system as the PRS-5. Mounting flange has four holes, allowing use of bolts or lag bolts to mount. Durable powder coated finish. (Mounting bolts not included).

Deluxe Bench Mount Repair Stand PRS-4 OS

The Deluxe Bench Mount Stand uses the same clamp as the PRS-2 OS, PRS-3 OS, PRS-4W. The clamp rotates 360 degrees, allowing the bike to be positioned at any angle. Mounts easily to any flat surface. (Mounting bolts not included).



Extreme Range Repair Stand Clamp 100-3X

The 100-3X Repair Stand Clamp fits into our Deluxe Repair Stands and allows you to work easily and efficiently on almost any bike, no matter what the size or shape of the frame tubes. The 100-3X does it all:

- Clamps virtually any size or shape frame tube, including oversized, square, rectangular, and even aero shaped tubes. Ideal for hard-to-clamp recumbent bikes.
- Quick-adjusting "Slide and Lock" system allows the clamping jaws to adjust from 7/8" (22mm) to 4" (100mm) in a flash. Clamping pressure is fully adjustable.
- The unique design allows the clamp to actually pivot 90 degrees, allowing either the top and bottom or the left and right sides of a tube to be clamped (as pictured).
- Narrower (3") jaws for clamping on frames with tight access areas.
- Fits any PRS-2, PRS-2OS, PRS-3, PRS-3OS, PRS-4, PRS-4OS, PRS-4W, PRS-11, or PRS-12 Repair Stand, or any PRS-5 Repair Stand manufactured prior to 6/96.



Because of the tremendous clamping pressure potential, a good rule of thumb when adjusting the 100-3C or 100-5C clamp is to adjust the clamp so it's possible to close it with the force of two fingers. This prevents damage to frames regardless of frame material.



"Our production staff is thoroughly trained to ensure quality, well built tools."

Repair Stands



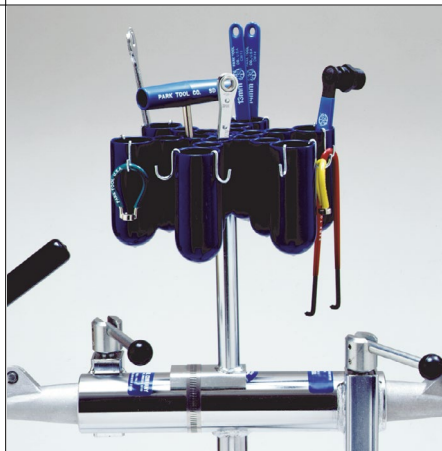
Work Tray 104

This large tray is ideal for holding small parts and tools. It features deep sides so small items stay put. A variety of slots and holes hold any tool. Fits all Park Tool Repair Stands except PRS-2 OS, PRS-3 OS, PRS-4 OS, PRS-5 and PRS-13.



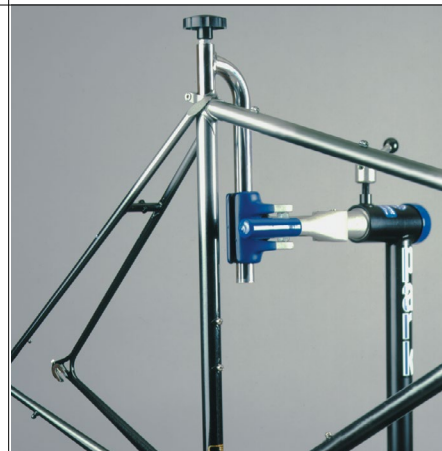
Cast Aluminum Tool Tray 105

The 105 is a handy and sturdy cast aluminum tray with deep-walled compartments and assorted slots for holding tools, lubes, and small parts. Fits all PRS-2, PRS-2 OS, PRS-3, PRS-3 OS, and PRS-13 Shop Stands, as well as PRS-6 and PCS-1 Repair Stands manufactured after June '96.



Tool Kaddy TK-2

This handy unit is perfect for storing frequently used tools right at your fingertips. The Tool Kaddy rotates to bring needed items up close, features deep pockets, and includes 12 hooks. The TK-2 mounts easily using the included mounting hardware on Park Tool Repair Stands PRS-2, 3, 4, 11, 12 and 13, including OS models.



Internal Seat Tube Clamp ISC-1

Clamping directly onto frames made from carbon fiber and other ultra-thin materials can cause inadvertent frame damage. The ISC-1 is designed to allow you to hold frames securely without clamping onto a tube and to raise the bike to a more comfortable working height. To use, insert the ISC-1 into the seat tube, turn the knob to expand the tool, and then clamp into any Park Tool Repair Stand. Fits frames with seat tube diameters 25mm to 27.4mm.



Handlebar Holder HBH-1

The Handlebar Holder is designed to hold the handlebars stationary, keeping the front wheel from "flopping" while the bike is worked on. It will hold the handlebar securely when the bicycle is rotated to any position in your Park Tool Repair Stand. Works on virtually all mountain and road bikes. Velcro® strap is included to attach the Handlebar Holder to the frame.

Replacement Clamps

Replacement clamps fit frame tubes from 1" to 1-5/8", allow for cable routing on the top tube, and feature replaceable jaw covers.



100-3C

Adjustable Linkage
Clamp fits PRS-2, PRS-2 OS, PRS-3, PRS-3 OS, PRS-4, PRS-4W and PRS-4 OS stands; fits PRS-5 stands made before 6/96.



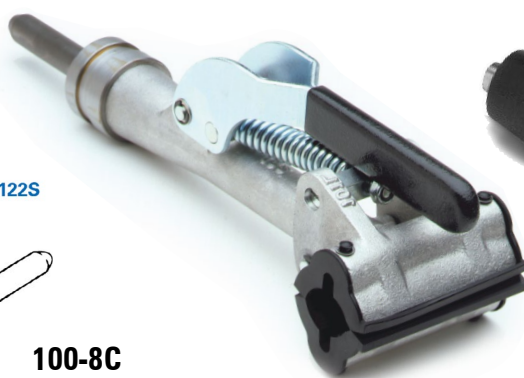
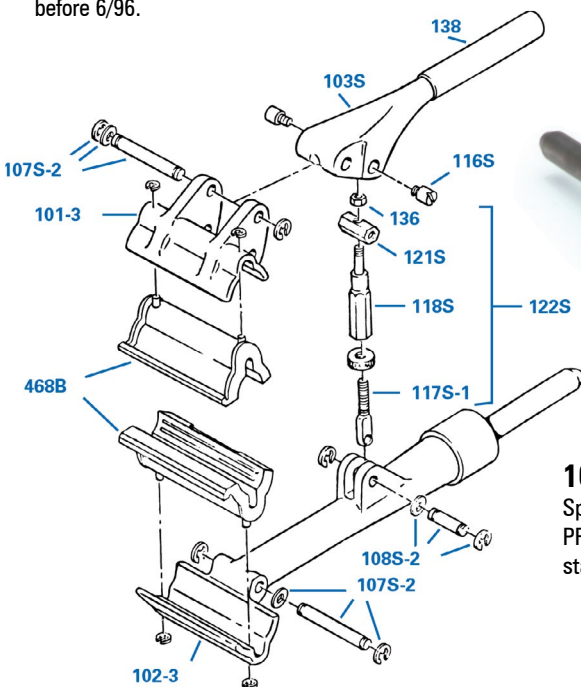
100-1C

Spring Linkage
Clamp fits PCS-1 and PCS-2 stands made after 6/96.



100-2C

Spring Linkage Clamp
fits PCS-1 and PCS-2 stands made before 6/96.



100-8C

Spring Linkage Clamp fits PRS-6, PRS-7, and PRS-8 stands made before 6/96.



100-5C

Adjustable Linkage Clamp fits PRS-5, PRS-6, and PRS-7 stands made after 6/96.

Replacement Parts for Clamp 100-3C

138	Handlegrip
117S-1	Eyebolt
103S	Handle
107S-2	Pin w/washers and circlips
118S	Adjusting barrel
101-3	Moveable jaw
121S	Adjusting barrel pivot
468B	Clamp cover set w/circlips
136	Nut, 1/4-20
102-3	Rotating shaft
116S	Cap screw
108S-2	Pin w/washers and circlips
122S	Linkage complete

Repair Kit for 100-3C Clamp PRS-CRK

Includes (1) 122S, (2) 116S, (1) 108S-2, (2) 107S-2.



Park Tool makes two basic types of clamps: fully adjustable and spring linkage. The 100-3C, 100-5C and 100-3X Adjustable Clamps allow infinite adjustment of clamping pressure. There are some situations where the bike should be very firmly clamped, and others where very light pressure is needed, and these clamps allow this adjustment. In comparison, the 100-1C and 100-8C Spring Linkage Clamps rely on constant spring pressure. While fine adjustment of the pressure being applied to a tube is not possible, the spring linkage clamps are very simple and easy to use.

Replacement Clamp Covers

Available in three models to fit all Park Tool Repair Stand clamps.

- **468G** fits PCS-1 and PCS-2 with double cable reliefs.
- **467B** fits PRS-2 through PRS-8 with single cable relief.
- **468B** fits PRS-2 through PRS-8 with double cable reliefs.
- **467G** fits PCS-1 and PCS-2 with single cable relief.
- For **468** or **467**, simply discard old covers and install new covers. Each set includes two installation clips.
- **466** fits original clamps with plastic-dipped jaws. Old plastic should be removed before installing new covers.



"We hand build and adjust every TS-2 and TS-3, the best selling truing stands in the world."

Truing Stands



Master Truing Stand TS-3

When only the best equipment will do, look no further than the TS-3 Truing Stand. Built to exacting specifications using the highest quality materials available, this stand delivers an unprecedented level of accuracy. You now can quantify the trueness of a wheel using the optional factory dial indicator package.

Designed from the ground up to be the new standard in truing stands, the TS-3 Truing Stand gives you all of these important features to assure you of absolute precision and accuracy.

1. The TS-3 Truing Stand will center (dish) a wheel, relative to the faces of the hub locknut, to within 0.25mm (0.01 inch).
2. The linear motion of the upright arms ensures superior alignment.
3. Optional dial indicators provide quantified measurement of radial and lateral run out allowing exact specifications to be maintained, and allowing strict adherence to shop and industry standards.
4. The angle of the TS-3 Truing Stand can be adjusted so it can be used comfortably by mechanics of different heights.
5. Precision ground parts and precise bearings ensure long-lasting, smooth operation.

6. The caliper arm moves quickly and easily saving time when mounting the wheel. The arm stores out of the way to prevent damage to the arm.

TS-3	Stand only
1554-1	Centering Gauge for TS-2 and TS-3 (included with TS-3)
1555-1	Dial Indicator Set with brackets
1556-1	Dial Indicator Bracket Set only (no dials)

(TS-3 shown with 1555-1 Dial Indicator Set.)

In the U.S. the TS-3 and accessories are available only from

Park Shop Service & Supply
888-568-4959

Professional Wheel Truing Stand TS-2

The Park Tool Professional Truing Stand is the stand to choose for heavy shop use. Accepts wheels from 16" to 28" with or without tire removed. Both axle-holding uprights move simultaneously, always centering wheel hub with calipers, regardless of hub width. Calipers and caliper arm are spring-loaded to prevent jamming with badly out-of-true wheels. Made of heavy chrome plated steel with nylon bushings at pivot points. Can be bench-mounted or vise-held. The standard of the industry. If a forward or backward tilt is desired, use with Truing Stand Tilting Base (TSB-2) shown below. For precision work, the TS-2 should be used with a dishing gauge

Workshop

TS-2 adjustments:

www.parktool.com/workshop/FAQts2.htm



Home Mechanic Wheel Truing Stand TS-7

The TS-7 is a high quality truing stand designed specifically for the home mechanic. Constructed from heavy gauge steel, the TS-7 allows extremely accurate and reliable wheel truing at an economical price. Dishing (centering) is performed using the portable wheel dishing tool (WAG-3), included with the stand. The TS-7 can be used on almost any wheel size or hub width and can be used freestanding or bolted to a bench for extra stability.

Wheel Alignment Gauge WAG-4



For a wheel to perform properly, it is important for the rim to be centered between the locknuts of the hub, or "dished". To check this, and to make precision adjustments, a wheel alignment gauge (also called a "dishing tool") is a must. The new WAG-4 allows easy checking of the dish on road, mountain, or BMX wheels from 16" to 28". It works with any hub width and its innovative design even allows it to be accurately used with the tire still on the wheel. An accurate and truly versatile wheel alignment gauge that belongs along side every truing stand.



Truing Stand Tilting Base TSB-2

We've designed the Tilting Base specifically for use with our Park Tool Professional Wheel Truing Stand. It allows for adjustment of the truing stand 20 degrees forward or backward for comfortable use at any bench height. The handy bins in the front of the Tilting Base are specially designed to hold Park Tool Spoke Wrenches and other small items such as spoke nipples. The bin corners are rounded to make even the smallest part easy to retrieve. Reinforced black nylon body will stand up to heavy use. Holes are provided for mounting to workbench or other surfaces for greater stability.

Portable Wheel Dishing Gauge WAG-3

The WAG-3 accurately checks the dish, or offset, on all 26", 27", and 700C wheels. Measurements are taken comparing one side of the wheel to the other to determine if the rim is in the center of the hub. Easily disassembles to fit into most tool boxes. Perfect for the race or home





"Our quality control department tests and measures to guarantee the highest standards."



Spoke, Bearing, and Cotten Gauge SBC-1

This handy shop aid is ideal for sizing spokes, ball bearings and crank cotteners. To use, just hang the head of the spoke in the oblong hole and read its length on the scale. For crank cotteners and ball bearings it works just like a gauge for drill bits. Spoke lengths are in both metric and fractional markings. Made of anodized aluminum with embossed markings to allow easy reading and long life.



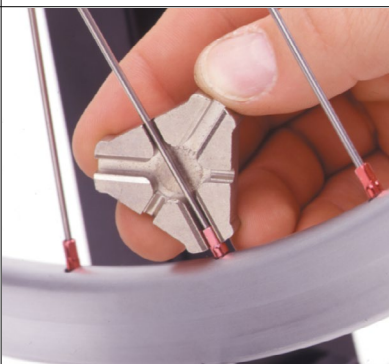
Tire Seater PTS-1

This tool is designed to quickly and easily "seat" stubborn tires. During inflation, tire beads often slip below the rim edge and are difficult to pull out. Simply place the non-slip jaws on the tire and lift out. The Park Tool Tire Seater adjusts to various tire widths. It's chrome plated and the handles are vinyl coated for comfort.



Adjustable Spoke Wrench SW-10

The SW-10 Adjustable Spoke Wrench helps remove tight (stubborn) or rounded nipples. Hardened, nickel plated investment casting gives superior strength and durability. Fits any of the 80 gauge sizes listed above for SW-0 through SW-2.



Triple Spoke Wrench SW-7



The precision sized SW-7 fits the three most popular spoke nipple sizes on the market. Sizes equal to SW-0, 1, 2. The SW-7 is nickel plated for years of service. Designed for the home mechanic.

Packaged carded:
SW-7C

Spoke Wrenches SW-0 through SW-3

Professional quality, precision-sized spoke wrenches are hardened and nickel plated for long service. Park Tool Spoke Wrenches are vinyl coated in one of four colors indicating the size at a glance. Park Tool Spoke Wrenches are marked "Park Tool USA."

BEWARE OF POOR FITTING IMITATIONS!

SW-0 (Black) 80 ga./127" nipple/3.23mm
SW-1 (Green) 80 ga./130" nipple/3.30mm
SW-2 (Red) 80 ga./136" nipple/3.45mm
SW-3 (Blue) 105 ga./156" nipple/3.96mm

Packaged carded:
SW-0C through SW-2C





Tire Levers TL-2

Why a second tire lever? Because feedback from mechanics tells us that, like pizza, some like their tire levers thick and some like them thin. The TL-2 is thinner and wider than the TL-1 and, therefore, it works differently. The TL-2 has more engagement with the bead of the tire so it can be "popped" off using just two levers. The TL-2 Tire Levers are very compact and lightweight, and because you only need two, they're perfect for stashing in a jersey pocket or in the tight confines of a seat pack. Packaged in sets of two levers, carded.

Packaged carded: TL-2C



Tire and Tube Repair Kit TR-1

Our popular GP-2 Super Patch Kit and TL-1 Tire Levers packaged together as a kit. Three Tire Levers and a box with six patches and one piece of sandpaper on a blister card. **Packaged carded: TR-1C**



Tire Lever TL-1

Sold in sets of three, Park Tool Tire Levers are made of nylon to ensure long life and damage-free operation. The unique design of the TL-1 actually lifts the tire away from the rim and keeps the tube from being pinched. These blue levers are available carded (TL-1C), or bulk in a 25-set counter display.



Shop Tire Tool TL-10

Install and remove! The heavy duty TL-10 Shop Tire Tool quickly and easily removes any bicycle tire (20" and larger) from the rim and then mounts the tire with the same ease. The TL-10 simply hooks under the tire bead and then rotates around the rim to completely dismount the tire. To mount the tire, attach the installation portion of the tool and again just rotate around the rim. Save time with each tire repair you perform. Not a take-along tire lever, the TL-10 is a heavy-duty tire tool designed for use in the shop.



Emergency Tire Boot TB-1

Cut, scraped, and even worn sidewalls can easily and securely be patched using the Park Tool TB-1 Tire Boot. The TB-1 is made with a thin, extra tough film that will withstand the most demanding conditions on the road or trail until the tire can be replaced. To use, simply peel off the protective backing and position the TB-1 inside the tire casing over the clean and dry /cut or worn area. A super strong adhesive using 3M technology keeps the TB-1 in position while reinstalling the tire and tube. There's no easier or more effective way to boot a cut or worn tire.

Packaged carded: TB-1C



Super Patch Kit GP-2

One of our most successful products ever! We worked with 3M to produce a self adhesive tube patch that stretches, flexes, twists, and turns right along with the tube. No messy glue, no bulky packaging. Lightly roughen tube with the included sandpaper, clean, apply patch, and you're ready to go. Six patches with sandpaper in a neat little carry along box. Available individually carded (GP-2C) or in a handy 50 kit countertop display.



Vulcanizing Patch Kit VP-1

The VP-1 Patch Kit includes six thin and flexible patches with tapered edges to blend with the tube's profile. Four round patches are 25 mm in diameter for smaller holes. Two oval patches, 25 mm x 35 mm, are for wider cuts. A tube of self-vulcanizing fluid bonds the patch to the tube at the molecular level. Each kit is packaged in a small plastic box with sandpaper for cleaning the tube and instructions. Available individually or in a handy 36 kit countertop display. Imported



Each new tool is created by our engineering staff using the latest design software and a unique knowledge of bicycles and tools



Roll-Up Workshop for BMX BMX-17

Specifically designed for use with BMX bikes, the BMX-17 Roll-Up Workshop contains 17 specialty tools and a convenient roll-up tool case for taking to the races or hanging in the workshop. The carefully selected mix of tools can be used to fix flats,

keep wheel and headset bearings running smoothly, repair chains, replace sprockets, straighten wheels, and keep nuts and bolts tight. When combined with a few common household tools, almost any repair can be performed on most BMX bikes.



Roll-Up Workshop BK-2

The Park Tool Roll-Up Workshop supplies the home mechanic with almost all the specialty bike tools needed to repair and maintain most current model bikes. Add this kit to a few common household tools and the possibilities are endless. The Roll-Up Workshop includes a heavy weight nylon carrying case with 17 assorted tools, nylon and mesh storage pockets, grommets for hanging, and a super tough buckle to hold it all together. Perfect for bringing to the races or to rides for last minute repairs.



A collection of Park Tool USA bicycle repair tools, including a large black toolbox, a smaller black bag, and various tools like wrenches, pliers, and a chain whip, all arranged on a white background. A red starburst graphic with the word 'NEW' is in the top left corner.

installing and removing headset races, installing crown races, cutting fork steerer tubes, straightening derailleur hangers, tapping threaded frame brazons, dishing wheels, and more. The entire kit comes in a tough, oversized toolbox, which has plenty of extra room for additional tools and spare parts.

[illegible]**Tool Kits** **14**



Park Tool is proud to help support organizations working to promote cycling. Over the past year we have provided mechanical, product, and/or financial support for more than 100 events, teams, and organizations. Deadline for proposal submission: December 1, 2001.



Park Pack Mini Tool Kit PPM-2

The PPM-2 Park Pack Mini Tool Kit isn't just another set of emergency tools. It's a collection of high quality tools that are small and light enough to take along for the ride. Includes CT-5 Mini ChainBrute tool, MT-1 Multi Tool, TL-2 Tire Levers, SW-7 Multi Spoke Wrench, 3 GP-2 Preglued Patches, a TB-1 Tire Boot, and a #299 Multi Wrench. All the tools are made in the USA and fit neatly in a neoprene and nylon tool wallet that can be easily tucked into a jersey or seat pack.

Packaged carded: PPM-2C

Tool Wallet also available separately as PPW-1C.



Multi Tool MT-1

The MT-1 is a high quality multi tool that is uncomplicated, easy to use, and effective. Made of investment cast steel and electroless nickel plated for durability, the MT-1 features 3mm, 4mm, 5mm, 6mm, and 8mm hex wrenches; 8mm, 9mm, and 10mm socket wrenches; and a flatblade screwdriver. Each of the nine tools is carefully positioned so the MT-1 can be effectively used on those "tough to get to" nuts, bolts, and screws.

Packaged carded: MT-1C

TOOLS in KITS

Park No.	Tool	PPM-2	BK-2	BMX-17	AK-32	PK-57
299	Multi Wrench (8, 9, 10mm open end/bottle opener)	X				
AV-1	Axle Vise					X
AWS-1	Hex Wrench Set, 4/5/6mm				X	
AWS-3	Hex Wrench Set, 2/2.5/3mm				X	
AWS-10	Hex Set, 1.5, 2, 2.5, 3, 4, 5, 6mm		X			
AWS-12	Hex Set, 2, 3, 4, 5, 6mm, 1/8", 7/32", 3/16"			X		
BBT-2	Cartridge Bottom Bracket Tool for Shimano® and Isis®		X		X	X
BBT-5	Bottom Bracket/ Cassette Locking Tool for Campagnolo®					X
BBT-8	Chaining Locking/ Bottom Bracket Tool					X
BT-2	Fourth Hand Brake Tool					X
CBW-1	Open End Wrench, 8/10mm		X	X	X	X
CBW-4	Open End Wrench, 9/11mm		X		X	X
CC-2	Chain Checker				X	X
CCP-2	Crank Puller				X	X
CCW-14R	Crank Wrench			X	X	X
CM-5	Cyclone® Chain Scrubber				X	X
CN-10	Cable & Housing Cutter		X	X	X	X
CNW-1	Chaining Nut Wrench			X	X	X
CRS-1	Crown Race Setting System					X
CT-3	Screw Type Chain Tool				X	X
CT-5	Mini ChainBrute® Chain Tool	X	X	X		
CWP-5	14mm Crank Wrench & Puller		X			
DAG-1	Derailleur Alignment Gauge					X
DCW-1	Cone Wrench, 13/14mm		X			
DCW-2	Cone Wrench, 15/16mm		X	X		
DCW-3	Cone Wrench, 17/18mm			X		
DCW-4	Cone Wrench, 13/15mm			X		
FR-5	Shimano® Freehub Locking Tool		X		X	X
FR-6	BMX Freewheel Remover			X		
GP-2	Glueless Patch Kit	X	X	X	X	X
GSC-1	GearClean® Brush		X	X	X	X
HCW-4	Box-End 36mm and Bottom Bracket Pin Spanner					X
HCW-5	Double-Sided Bottom Bracket Locking Tool					X
HCW-6	32mm Headset Wrench/15mm Pedal Wrench		X			
HCW-7	30/32mm Headset Wrench			X		
HCW-10	36mm Headset/15mm Pedal Wrench			X		
HCW-14	36mm Headset Wrench/Chain Whip		X			
HCW-15	36/32mm Headset Wrench				2	X
HHP-1	Bearing Cup Press					X
HR-8	8mm Hex Wrench		X	X	X	
HW-2	Professional Headset Locknut Wrench 32mm and 36mm					X
MT-1	Multi Tool	X				
PH-1	P-Handled Hex Wrench Set w/ Holder, includes					X
PPL-1	PolyLube 1000 Lubricant, 4 oz.				X	
PPL-2	PolyLube 1000 Grease in one pound tub					X
PW-3	Pedal Wrench				X	
PW-4	Professional Pedal Wrench					X
RT-1	Headset Cup Remover					X
SA-3	Heavy Duty Shop Apron					X
SBC-1	Spoke, Bearing, & Cotter Gauge				X	X
SCW-13	Shop Cone Wrench, 13mm				X	X
SCW-14	Shop Cone Wrench, 14mm				X	X
SCW-15	Shop Cone Wrench, 15mm				X	X
SCW-16	Shop Cone Wrench, 16mm				X	X
SCW-17	Shop Cone Wrench, 17mm				X	X
SCW-18	Shop Cone Wrench, 18mm				X	X
SCW-19	Shop Cone Wrench, 19mm				X	X
SG-6	Threadless Saw Guide					X
SR-1	Chain Whip/Freewheel & Locking Remover				X	
SR-2	Professional Sprocket Remover					X
SW-0	Precision Spoke Wrench, 80 Ga./127				X	X
SW-1	Precision Spoke Wrench, 80 Ga./130				X	X
SW-2	Precision Spoke Wrench, 80 Ga./136				X	X
SW-7	Triple Spoke Wrench, 80 Ga./127, 130, 136	X	X	X		
TAP-7	Tap For Rear Wheel Dropout Alignment Screws 3mm x .5					X
TAP-8	Tap For Water Bottle, Toe Clip, Fender, and Rack Bosses 5mm x .8					X
TAP-9	Tap For Cantilever Brake Bosses 6mm x 1mm					X
TAP-10	Tap for Derailleur Hanger 10mm x 1mm					X
TB-1	Tire Boot	X			X	X
TL-1	Tire Levers		X	X	X	X
TL-2	Tire Levers	X				
TL-10	Shop Tire Lever					X
TNS-1	Threadless Nut Setter					X
WAG-3	Wheel Alignment Gauge					X

Workshop

The home mechanic can choose from four different recommended tool lists at:

www.parktool.com/workshop/toolists.htm

For the retailer and professional mechanic, see our recommended tool lists under Dealer News at:

www.parktool.com/dealers/dealernw.htm





Micro Tool Box MTB-1

The MTB-1 Micro Tool Box is an ingenious multi tool with the quality features and dependability you'd expect from the top name in bicycle tools. The Micro Tool Box contains 21 tools, each carefully selected, designed, and manufactured to help get you out of almost any jam on the road or trail. A chain tool; 3 spoke wrenches; 2, 2.5, 3, 4, 5, 6, and 8mm hex wrenches; 8, 9, and 10mm box end wrenches; flat head screwdriver; phillips head screwdriver; patch kit; 2 tire levers; ruler; and bottle opener are all thoughtfully positioned within two fiber-reinforced handles. The handles not only provide excellent grip when using the tools, but also glide together to form a "tool box" shell, protecting the individual tools and preventing the tools from poking through other items in your jersey or pack. At only 3 1/2" you may not even realize you are carrying the MTB-1 Micro Tool Box...that is, until you're miles from home and your chain breaks...or your wheel needs truing...or your brakes need adjusting...or....

The MTB-1 Micro Tool Box—small in size, BIG on performance. **Packaged carded: MTB-1C**
Replacement chain tool pins available: 985-1C.

Patent # 6,112,351



Micro Tool Box MTB-2

This is just the tool needed for quick adjustments on the road or trail. A smaller, lighter, version of our original MTB-1 Micro Tool Box, the MTB-2 contains 13 Tools: three spoke wrenches, a flat bladed screwdriver, 2, 2.5, 3, 4, 5, and 6mm hex wrenches, two tire levers, and a bottle opener. Each tool folds out of two super tough nylon handles. The handles provide excellent leverage and fit together to form a "tool box" shell that protects the tools and prevents the tools from poking through other items in a jersey or pack. The MTB-2 is a small take-along tool that's always ready to help get you of a jam on the road or trail.

Packaged carded: MTB-2C



L-shaped Hex Wrench Set With Bench Mount/ Wall Mount Wrench Holder HXS-2

These shop quality L-shaped hex wrenches have a genuine Bondhus balldriver tip on the long arm (excluding 8 and 10 mm) for hard to reach bolt heads and a straight tip on the short arm for high torque applications. Wrench tips are precision chamfered for a clean, tight fit. Special "speed bearing" attachment facilitates installation and removal of long-threaded bolts. Wrenches are made from industrial quality 8650 chrome vanadium steel. Set includes 2, 2.5, 3, 4, 6, 8, and 10 mm sizes. Bench mount/ wall mount holder keeps wrenches organized and is fan-shaped for easy access to all wrench sizes.

Professional L-Shaped Hex Wrench Set HXS-1



Bench Mount/ Wall Mount Wrench Holder HXH-1



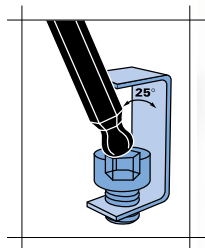
Also available separately is the **8mm Hex Wrench HR-8** for installing and removing crank bolts with an 8mm socket. **Packaged carded: HR-8C**

P-Handled 25T Torx Wrench PH-T25

Our comfortable P-handle with a T25 Torx Wrench for the T25 bolt heads found on many disc brake calipers and rotors. Includes "Speed Bearing" attachment for fast installation and removal of long threaded bolts. Wrench is made from 8650 chrome vanadium industrial tool steel for long life.



We use genuine
Bondhus™ Brand
Straight and Balldriver
wrenches



P-Handled Hex Wrench Set With Bench Mount/ Wall Mount Wrench Holder PH-1

These thoughtfully designed P-handled hex wrenches fit the task at hand, as well as they fit in your hand. The long shaft of each wrench is fitted with a Bondhus Balldriver for those hard to reach bolt heads. The short end of the wrench is neatly chamfered and extends from the handle for use when fully tightening bolts in high torque applications. Shaft lengths are optimally selected to minimize the wind-up and flex experienced with longer wrenches. The hex wrenches are made from 8650 chrome vanadium industrial tool steel for long life. Special "speed bearing" attachment facilitates installation and removal of long-threaded socket head bolts and nuts. The offset P-handles are made from a durable nylon material and are ergonomically-designed for comfortable use. All the wrenches fit neatly in the included bench mount/ wall mount holder. The PH-1 set includes 2, 2.5, 3, 4, 5, 6 and 8mm sizes.



Hex Wrench Set AWS-1



The AWS-1 features three common sized hex wrenches (4mm, 5mm, and 6mm) and the Y shape gives you extra leverage for tight bolts. Hex extensions are vinyl coated for comfort. The composite center provides extra strength and comfort, fitting perfectly in your hand.

Packaged carded:
AWS-1C

Hex Wrench Set AWS-3



The AWS-3 features three hex wrench sizes (2mm, 2.5mm, and 3mm) and a comfortable center. Hex extensions are vinyl coated for comfort.

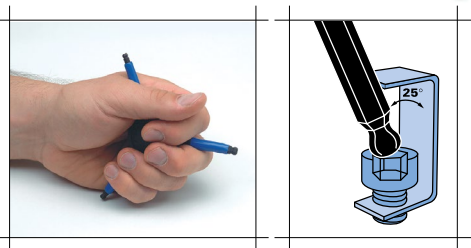
Packaged carded:
AWS-3C



Hex Wrench Set AWS-8

Our Bondhus Balldriver® hex wrench set is great for hard to get to screws. The unique ball-end design allows for an entry angle up to 25 degrees. The AWS-8 features three common sizes (4mm, 5mm, and 6mm) and the Y shape provides great leverage for tight bolts. Hex extensions are vinyl coated.

Note: Balldrivers are not intended for high torque situations. **Packaged carded:** AWS-8C



Hex Wrench Set AWS-10

The AWS-10 combines all the popular sizes in one convenient, super tough fold-up. Each hex is made of 8650 industrial strength chrome vanadium tool steel with chamfered tips to ensure a positive, accurate fit. 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, and 6mm sizes in a glass-injected resin one piece handle that positions each hex in an easy to use position every time. Tougher and lighter than any steel handle fold up set, the AWS-10 is sure to be seen in tool boxes, wedge packs, and workshops everywhere.

Packaged carded: AWS-10C



Hex Wrench Set AWS-12

The AWS-12 Hex Wrench Set contains both the metric and English sizes most frequently used on BMX bikes. The hex wrenches are made of 8650 chrome vanadium tool steel with neatly chamfered tips for a perfect fit. Metric wrenches include 2, 3, 4, 5 and 6mm. Fractional sizes are 3/16", 7/32", and 1/4". The super-strong, glass-injected resin handle is tougher and lighter than any traditional steel-handled fold-up. Black color of handle easily and quickly distinguishes it from our traditional blue metric hex wrench sets. **Packaged carded:** AWS-11C



Hex Wrench Set AWS-9

Our AWS-9 is smooth, easy to handle, and stronger than any steel fold up tool we've tried. 4mm, 5mm, and 6mm hex wrenches plus a Phillips and standard screwdriver make the AWS-9 a great carry-along emergency tool, plus a great shop tool. This tool can be used in 3 different positions including a right angle positive stop position. Hex wrenches are made of 8650 chrome vanadium tool steel with neatly chamfered tips for a perfect fit. Super strong glass-injected resin handle. Weighs just 116 grams (4.1 ounces).

Packaged carded:
AWS-9C



Hex Wrench Set AWS-11

The bike shop quality AWS-11 features 3mm, 4mm, 5mm, 6mm, 8mm (crank bolts), and 10mm (freewheel) hex wrenches with precision chamfered tips for a tight fit. One piece glass-injected resin handle is lightweight, comfortable, slip-resistant, and 40% stronger than traditional steel handles. The perfect tool for home or professional mechanic.

Packaged carded: AWS-11C

Sprocket Remover SR-1



This combination chain whip and freewheel/remover wrench is heat treated to prevent bending and flexing. It also features hardened pins to keep the chain in place and a comfortable handle. Hex opening fits Park Tool freewheel

Sprocket Remover SR-2

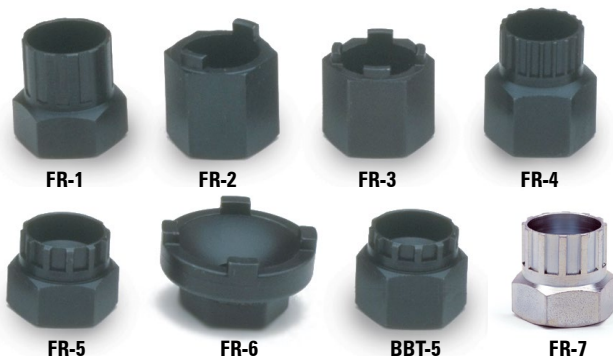


This shop quality chain whip gives you incredible leverage without worry of slippage. Heavy duty, heat treated head with a round vinyl coated handle. Hardened bolts hold securely and make chain replacement easy.

Freewheel Remover Wrench FRW-1



This tool securely holds freewheel and locking tools (FR-1 through FR-6) for removal and installation. The extremely long round vinyl dipped handle provides fantastic leverage and features an investment cast head with locking knob.



Freewheel Removers FR-1 through FR-6

Heat treated alloy steel, one inch base fits wrench or bench vise. Thin wall construction allows use without removal of cones and locknuts.

FR-1 fits Shimano® freewheels since 1985, Uniglide® before 1985; S.I.S.® and Sachs Aris® and Sun Race® freewheels.

FR-2 fits Sun Tour® two notch freewheels. Not recommended for Sun Tour four to six notch freewheels.

FR-3 fits all Sun Tour four notch freewheels since 1986.

FR-4 fits Atom®, Regina®, splined Zeus®, and some Schwinn Approved® freewheels.

FR-5 fits Shimano®, SRAM®, Sun Race®, SunTour® and other cassette lockrings. (Note: You must hold cassette with a Park Tool Sprocket Remover SR-1 or SR-2).

FR-6 fits most popular four notch BMX freewheels, including 14mm oversize axles.

FR-7 fits Falcon® freewheels

BBT-5 fits Campagnolo® cassette lockrings and Campagnolo® Record™, Chorus™, and Athena™ bottom brackets.

Packaged carded: FR-1C through FR-7C, BBT-5C



Cassette/freewheel removal: www.parktool.com/workshop/FAQcogs.htm

Freewheel Remover for Falcon® Freewheels FR-7



The FR-7 Freewheel Remover is specifically designed for Falcon® brand freewheels. The shape of the FR-7 looks similar to the FR-1 (for Shimano®, Sun Race, Sachs and similar freewheels). The FR-7, however, is made slightly larger to fit the slightly larger splined pattern of the Falcon® Freewheel. To make it easy to distinguish between the two removers, the FR-7 has a silver-colored plating (the FR-1 is black).

Cassette Lockring Tool Guide FRG-1



For years, shop mechanics have been brazing and welding shafts to cassette locking tools to provide stability and to prevent the tool from slipping out of the short splines of the cassette locking. Now there's an easier way. Just tap the bushing and shaft of the FRG-1 into an FR-5 Cassette Lockring Tool and... presto! Add a Park Tool FRW-1 Freewheel Wrench and you have the ultimate way to remove a cassette locking. (Shown with freewheel remover, not included.)



36mm Head Wrench and Chain Whip HCW-14

This wrench is a very useful combination of a Laser sized 36mm head wrench and a chain whip. Shop quality, yet a perfect wrench for the mountain biker.

Sprocket & Freewheel





Do not use cone wrenches to remove or insert pedals!

Shop Cone Wrenches SCW-13 through SCW-20

The standard of the industry, Park Tool Shop Cone Wrenches are unmatched in quality and performance. The special "Y" head design puts more material where it's needed for strength and durability. Precision sizing and a military grade industrial phosphate finish ensure an accurate fit and consistent quality. Thin enough to use on the narrowest of adjusting cones, the SCW Shop Cone Wrenches have a long, vinyl dipped handle for leverage and comfortable use. Sizes 13mm to 20mm, SCW-13 through SCW-20.

Shop Cone Wrench Set SCW-SET

The SCW-SET includes SCW-13 to SCW-19

Double-Ended Cone Wrenches DCW-0, 1, 2, 3, 4

These cone wrenches are designed for the home mechanic or occasional user. They're made of thin steel and are nickel plated and heat treated for long use. Available in five popular sizes from 11mm to 18mm. Their small size makes them ideal to carry along for quick repairs.

DCW-0 11mm and 12mm

DCW-1 13mm and 14mm

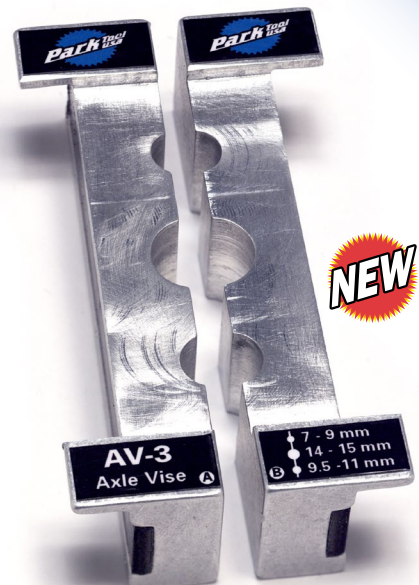
DCW-2 15mm and 16mm

DCW-3 17mm and 18mm

DCW-4 13mm and 15mm

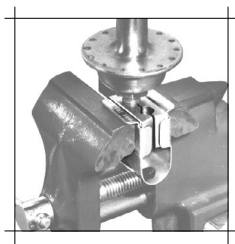


Packaged carded: DCW-0C through DCW-4C



Heavy Duty Axle Vise and Pedal Vise AV-3

A versatile and durable axle vise is a necessity for every mechanic's workbench. The new AV-3's heavy-duty aluminum jaws have three precision-machined openings to accommodate almost any front or rear wheel axle, from 5/16" all the way up to 14 mm. It will even fit 9/16" axles for pedal adjustments and overhauls. Magnetic strips on each of the jaws securely attach to the jaws of a bench vise, keeping the AV-3 properly positioned, for easy, trouble free use.



Axle Vise AV-1

This tool holds the axle so it will not turn while work is done on the hub. It has two different diameter receptacles so it will work on front and rear axles. It is simple to use - just insert the axle into the proper diameter opening and tighten the bench vise. The jaws will open automatically when the vise is opened.



Shimano® and ISIS Sealed Cartridge Bottom Bracket Tool BBT-2



The BBT-2 fits internally splined Shimano® and ISIS cartridge bottom brackets, including those with oversized "pipe billet" spindles. Simply insert the BBT-2 into the splined cartridge and either tighten or loosen using a 3/8 inch ratchet driver or a 32mm wrench.

Packaged carded: BBT-2C

Adjustable Spanner SPA-6



This spanner uses hardened, replaceable pins. Designed for heavy-duty use, the distance between pins is adjustable, allowing use on virtually any hanger cup.

Packaged carded: SPA-6C

Replacement Pins 1501

Replacement pins for SPA-6 and HCW-4.



Bottom Bracket Tool BBT-4

The BBT-4 is made for the installation and removal of the "star shaped" cartridge cups used on Sachs; Campagnolo® Veloce®, Mirage®, Centaur®, Daytona® and Avanti®; and Thun SKF® Series sealed cartridge bottom brackets. The handle is vinyl coated for comfort.

Bottom bracket installation:

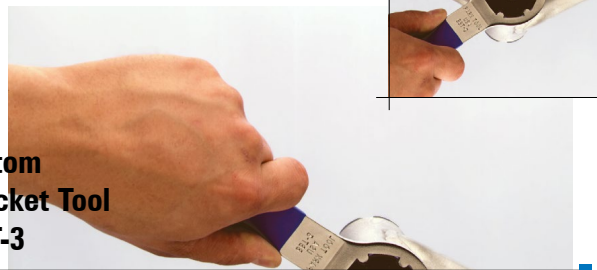
www.parktool.com/workshop/FAQcartdg.htm



Lockring Wrench BBT-7

The BBT-7 Lockring Wrench is used for installing and removing the locking used on 1998 and 1999 Dura Ace® and XTR® Bottom Brackets. It is laser cut and engages five of the locking's six notches for a precise, secure fit. The handle is vinyl dipped for comfort. While made specifically to fit Dura Ace® and XTR® Lockrings, it also fits several other lockrings as well.

Bottom Bracket Tool BBT-3



The BBT-3 is made specifically for the installation and removal of the "star-shaped" cartridge cups used on KSS® bottom brackets. The vinyl coated handle provides a comfortable, non-slip grip.

Campagnolo® Bottom Bracket/ Cassette Tool BBT-5



Campagnolo® cartridges need their own version of bottom bracket tools. This small tool looks like a freewheel remover, but has a slightly different shape. The BBT-5 fits Record®, Chorus®, and Athena® bottom bracket cartridges and all Campagnolo® cassette lockrings.

Packaged carded: BBT-5C

Chainring Lockring and Bottom Bracket Tool BBT-8



The BBT-8 Chainring Lockring and Bottom Bracket Tool is used for installing and removing 8-notched Shimano® XTR M950 and Truvativ® ISIS Drive® bottom bracket cups. This tool also fits 8-notched chainring adapter locking of Shimano® XTR, and some XT, LX, STX-RC, and Truvativ® cranksets. A two-piece tool, the BBT-8 consists of a durable investment cast body and a special machined locking sleeve to secure the tool body to the crankset when removing the chainring adapter locking. Double-ended locking sleeve works with both standard crank bolts and oversized crank bolts used with Shimano® „pipe billet“ and ISIS Drive® spindles.



What specific tools are needed to work on that Bottom Bracket?

Bottom bracket brand and model	Park Tool
Shimano® cartridge bottom brackets	BBT-2
Shimano® Dura-Ace® 7700 (adjustable type)	BBT-7 and BBT-2
Shimano® XTR® M950 (adjustable type)	BBT-7 and BBT-8
Shimano® XTR® M952 (cartridge type)	BBT-2
Campagnolo® Record, Chorus, Athena	BBT-5
Campagnolo® Daytona, Veloce, Mirage, Avanti, Centaur	BBT-4
Sachs®, Thun SKF®	BBT-4
Truvativ® ISIS Drive®	BBT-8
Truvativ® ^ square spindle type	BBT-2
Race Face® and FSA® ISIS Drive®	BBT-2
Real®	BBT-8
Syncros®	BBT-2
KSS®	BBT-3
World Class®	BBT-2





Crank and Bottom Bracket Wrenches HCW-3, 4, 5, 11, 12, 13

Our popular and versatile Crank Wrenches feature our proven "Y" head design.

- **HCW-3** 36mm box-end and 25mm open-end bottom bracket wrench. (Open-end feature on 36mm allows use without removing crank arm).
- **HCW-4** 36mm box-end and bottom bracket pin spanner. (*Replacement pins-#1501*)
- **HCW-5** Double sided bottom bracket locking hook spanner.
- **HCW-11** 16mm "slotted" and "raised" adjusting cup bottom bracket wrench.
- **HCW-12** 32mm head wrench and locking hook spanner.
- **HCW-13** Lockring hook spanner and 36mm fixed cup wrench.



Installing crankarms:
www.parktool.com/workshop/FAQCrCarm.htm



Ratcheting Metric Wrench RMW-1

A small, quality hand wrench with 8mm and 10mm sockets. fits many nuts and bolts throughout the bicycle. Useful on brakes, derailleurs, etc. Chrome plated for long, tough use.



Metric Wrenches CBW-1 and CBW-4

These small, nickel plated wrenches can be used on brakes, derailleurs, etc.

CBW-1 8mm open - 10mm open

CBW-4 9mm open - 11mm open

Packaged carded: CBW-1C and CBW-4C



Pin Spanners SPA-1, SPA-2 and SPA-4

Park Tool Pin Spanners have been designed to give maximum usefulness and versatility at the lowest possible cost. Tough, high carbon steel is used on each tool to ensure long life. Handle is vinyl coated to give a good grip. Each Pin Spanner is color coated for easy recognition.

• **SPA-1 (Green)**
Fits adjusting cup on most 3-piece cranks.

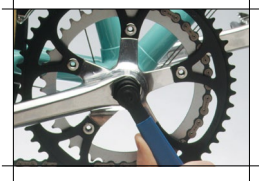
• **SPA-2 (Red)**
Fits one-key release dust caps and adjusting cone on most gear clusters.

• **SPA-4 (Yellow)**
Fits adjusting cone on most 1-piece cranks.



This is where it all started! The "Park Tool" name is a shortened version of the bike shop name where the first repair stand and tools were designed and fabricated: Hazel Park Bicycle Shop in St. Paul, Minnesota.

Pedal & Crank



Crank Puller CCP-2

The standard in the industry for 20 years. The CCP-2 uses a long comfortable handle and extra fine thread that provides the needed leverage to remove even the tightest cranks. Our unique "floating tip" ensures smooth operation and long life. Fits all cranks using 22mm x 1 threads

Packaged carded: CCP-2C



Crank Puller CCP-4

The CCP-4 Crank Puller is specifically designed to remove crank arms from Shimano® splined, oversized, "Pipe Billet" and ISIS Drive® bottom bracket spindles that do not use a "One-Key Release" system. It uses a long, comfortable handle and a fine thread for the leverage needed to remove tight crank arms. Rotating tip ensures smooth operation and long life.

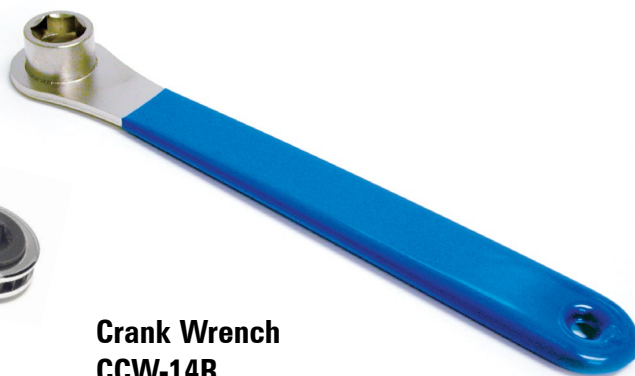
Note: The CCP-4 will not work on crank arms that fit standard square, tapered bottom bracket spindles.

Packaged carded: CCP-4C



Ratcheting Crank Wrench CCW-4

Extra-deep 14mm socket (for crank bolts) and 15mm box-end socket (for axle nuts) on a long, ratcheting, reversing wrench. Quality chrome plated steel.



Crank Wrench CCW-14R

The CCW-14R has a strong and deep socket so it will work on any 14mm crank nut or bolt. The CCW-14R also has a longer handle which is vinyl dipped for comfort. Heat treated and chrome plated for strength and durability.

Packaged carded: CCW-14RC



Chainring Nut Wrench CNW-1

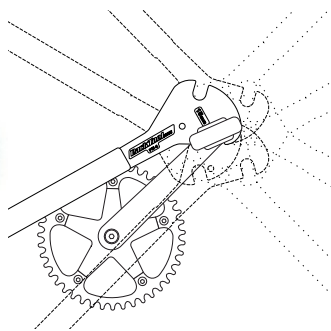
This handy tool fits securely into the slots on the reverse side of a chainring bolt so it doesn't spin when loosening the bolt. Designed specifically for the job, the CNW-1 makes removing chainring bolts much easier.



Crank Wrench and Puller CWP-5

The CWP-5 is a small, lightweight crank arm puller with a 14mm socket for removing crank arm fixing bolts and nuts. Though it's small and light, the CWP-5 is made of high quality steel and has a "floating", hardened tip for smooth operation and long life. It's the perfect puller for the road or home tool kit.

Packaged carded: CWP-5C



Professional Pedal Wrench PW-4

The PW-4 Professional Pedal Wrench is designed for heavy shop use. Two 15mm wrench openings are oriented at 30 degree and 45 degree angles so the user can always achieve the best mechanical advantage, regardless of the pedal position. An oversized, asymmetrical head is made from investment cast Cro-Moly steel for superior strength and durability. While strong, the PW-4 is thin enough to access all wrench flats. An extra long 14" handle provides the leverage to remove even the tightest pedals. The handle is round and vinyl dipped so it won't dig into the hand like flat wrenches.



Pedal Wrench PW-3

Made from investment cast steel and reinforced with extra material at the highly stressed openings for a shop quality pedal wrench made to last. 15mm and 9/16" precision openings and an extra long, round, vinyl dipped handle that won't dig into your hand like flat pedal wrenches.



Workshop

Pedal removal and installation:

www.parktool.com/workshop/FAQpedls.htm

Frame Taps TAP-7 through TAP-10

Frame Taps will become a lifesaver at some time for virtually every mechanic. As with all Park Tool Taps, these are made of high carbon steel and are precision ground. Park Tool Frame Taps cut easily and fit conventional tap handles.



TAP-7

3mm x .5 for rear wheel drop-out alignment screws.

TAP-8

5mm x .8 for water bottle, toe clip, fender and rack bosses.

TAP-9

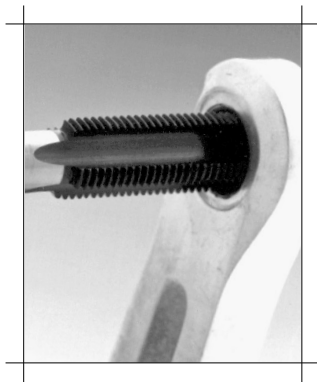
6mm x 1 for cantilever brakes and large fender bosses.

TAP-10

10mm x 1 for derailleur hanger.

Pedal Taps TAP-3 and TAP-6

Clean out or restore damaged threads in crank arms with these pedal taps. These taps can be used with either steel or alloy crank arms and are available in two popular sizes: 1/2" and 9/16" in both right and left-hand threads. Made of high carbon steel, precision ground, and hardened to stay sharp, they cut easily and fit all conventional tap handles.



Packaged carded: TAP-3C, TAP-6C

TAP-3C Set of 2, 1/2" x 20 Left and Right

TAP-6C Set of 2, 9/16" x 20 Left and Right



Pride... our entire staff is committed to building the best tools possible

Headset & Brake



Headset Wrenches HCW-6,7,9,10,12,14,15

Our popular and versatile Head Wrenches feature our proven "Y" head design and all headset wrench openings are Lazer cut to ensure a tight, accurate fit. Precise sizing is achieved by high voltage computer controlled lazer technology after heat treat. Waiting until the wrench is heat treated eliminates shrinkage and expansion of the steel after the wrench is sized. It takes longer, and costs more, but it's worth the extra effort.

- HCW-6** 32mm head wrench and 15mm pedal wrench.
- HCW-7** 30mm and 32mm head wrench.
- HCW-9** 36mm and 40mm "oversize" head wrench.
- HCW-10** 36mm head wrench and 15mm pedal wrench.
- HCW-12** 32mm head wrench and locking hook spanner.
- HCW-14** 36mm head wrench and chain whip.
- HCW-15** 32mm and 36mm head wrench.



Road Wrenches RW-1 and RW-3

An ideal head and pedal wrench to carry along. Small size fits in small bag, or mounts under water bottle cage using slotted center. Nickel plated, heat treated steel.

- Packaged carded: RW-1C, RW-3C**
RW-1 32mm head/15mm pedal wrench.
RW-3 36mm head/15mm pedal wrench.



Professional Headset Locknut Wrench HW-2

Most headset wrenches are too thin to use on the top locknut of headsets, particularly aluminum locknuts which can be marred and rounded off very easily. The HW-2 Professional Headset Locknut Wrench is the answer. It has a thick, semi-box opening and a substantial, extra long handle for a firm and precise grip on most 8 point 32mm and 36mm locknuts. Made of investment cast steel.

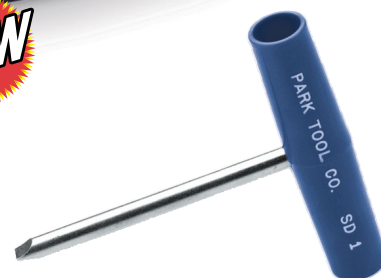
Professional Cable and Housing Cutter CN-10

The new CN-10 Cable and Housing Cutter is a shop quality cutter designed specifically for use on all bicycle cables and housing, including hard-to-cut index housing. The CN-10 has cold forged, heat treated steel handles for strength and precision ground cutting jaws for a clean cut on every cable. Dual density molded grips are specially contoured for superior comfort and control. The CN-10 has a built in crimper for cable end caps and a forming hole for reforming housing ends and housing ferrules. A wire latch holds the handles together when not in use.



Cable Stretcher BT-2

Commonly referred to as a “4th Hand”, the Park Tool Cable Stretcher pulls cables tight. It features one-hand operation with a thumb lock to hold the cable tight while your hand is removed to tighten pull-up bolts and nuts. Made from heat treated steel, chrome plated, and featuring cushion grips for comfort. A must for any shop, home or professional.



T-Handled Screwdriver SD-1

This screwdriver is specially designed to deliver extra torque necessary to get brake levers really tight. The blade fits into the narrowest brake levers.



Sizing and cutting housing and cables:
www.parktool.com/workshop/FAQcn4.htm



Offset Brake Wrenches OBW-1, OBW-2, and OBW-3

We call these our offset wrenches because of their unique design, which allows them to be used in tight places, such as centering caliper brakes. OBW-1 has 10mm and 13mm openings, OBW-2 has 11mm and 12mm openings. OBW-3 has a 14mm opening, and the other end fits into the tension springs to rotate the brake on its bolt.

Packaged carded:
OBW-1C, OBW-2C, OBW-3C



Third Hand Brake Tool BT-1

The BT-1 holds caliper brake shoes against the rim while installing the cable. Vinyl coating is easy on the hands and smooth edges allow it to be easily attached and removed. Chrome plated, heat treated spring steel.



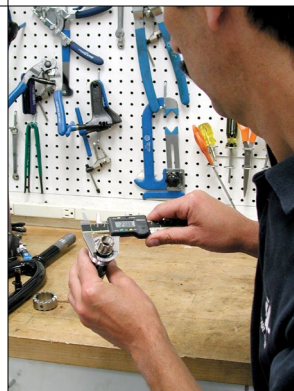
Brake Toe-In Tool BT-3

The Brake Toe-In-Tool is used for aligning caliper brake pads in relation to the rim. Brake pads that are perfectly parallel to the rim will “squeal.” Park Tool’s BT-3 allows pads to be easily “toed-inward.” Simply place tool on flats of caliper arms and gently twist. Hardened, chrome plated chrome-moly with a vinyl coated handle for good grip.



Adjustable Third Hand Brake Tool BT-5

Designed to be used on all brakes, caliper and cantilever. The BT-5 can be used on many different parts of brakes—against shoe, mounting bolt, etc., whatever is more convenient. Squeeze handle and turn knob to lock in place. Chrome plated and vinyl coated to protect the brake finish.



We take a "hands on" approach to research and development

Cleaning & Lubrication

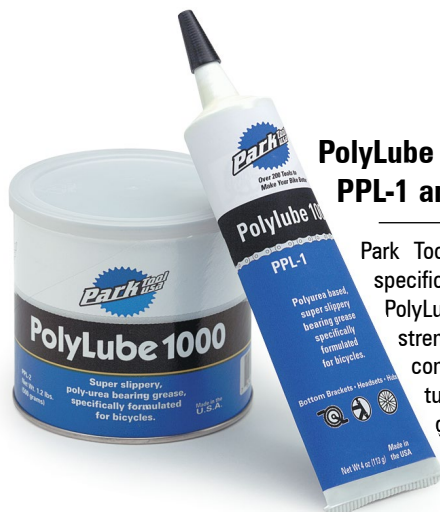
NEW

Bike Cleaning Brush Set BCB-1

A clean bike looks great, performs better, lasts longer, and is easier to maintain. Now with the BCB-4 Bike Cleaning Brush Set, having a clean bike is easier than ever. The BCB-4 contains four brushes, each specially designed for a specific cleaning purpose: a double-ended gear cleaning brush, a tire and frame tube cleaning brush, a frame cleaning sponge brush, and a tapered detail brush. "Sure Grip" dual density handles insure a positive grip even with wet hands.

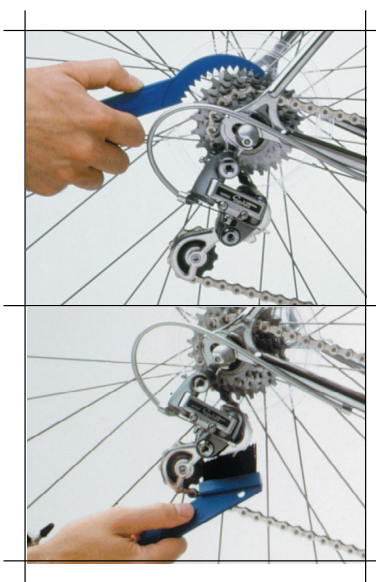
GearClean® Brush GSC-1

Park Tool's patented GearClean Brush has a unique design. A large comfortable handle with a curved, toothed-end reaches dirt deep between the gears, and tough nylon bristles clean the derailleur and chain. Saves wear and tear on your chain and free-wheel. Works great on brakes or other places where dirt collects — 9 speed compatible. Handy size to take along for quick cleaning anywhere. Made of sturdy nylon. **Packaged carded: GSC-1C**



PolyLube 1000 Lubricant PPL-1 and PPL-2

Park Tool's poly-urea lubricant was developed specifically for bicycle maintenance and repair. PolyLube 1000 has an extremely high shear strength to protect vital parts under extreme conditions. PolyLube 1000 also repels moisture and is compatible with conventional greases. Available in a handy four-ounce tube (PPL-1) and a one-pound tube (PPL-2).





Cyclone® Chain Scrubber CM-5

The CM-5 Cyclone Chain Scrubber uses an extra large solvent reservoir and a series of rotating brushes to get chains really clean. A magnet at the bottom of the Cyclone's solvent reservoir draws particles scrubbed from the chain, effectively keeping them from being redistributed on the chain during cleaning. Durable sponge material draws solvent from the chain as it exits the Cyclone, reducing drips and mess. To make it easy to control and use, we've even added a handle. Works with all multi-speed bikes and some single-speed models.



Chain Gang Chain Cleaning System CG-2

A dirty drivetrain causes poor shifting and unnecessary wear to expensive parts. The Chain Gang contains everything needed to quickly and easily clean the chain, freewheel cogs, and chainrings. The Chain Gang includes a CM-5 Chain Scrubber, a GSC-1 GearClean® Brush, and an 8 oz. (237 mL) bottle of BIO ChainBrite™. The CG-2 works on all derailleur bikes and many 3-speed and coaster brake bikes.

NEW



Nitrile Gloves Mechanics MG-1

MG-1 Nitrile Gloves keep hands free of grime and protected from potentially harmful chemicals and solvents. MG-1 Nitrile Gloves are thin enough to maintain finger dexterity, yet tough enough to resist snags. They provide superior fit, are easy to slip on and off, and can even be re-used



ChainBrite™ CB-1

Our original formula ChainBrite is specially formulated to use with Park Tool Chain Scrubbers. It quickly dissolves grease and grime on parts, as well as chains. Handy flip-top lid for easy pouring.

BIO ChainBrite™ CB-5

Bio ChainBrite quickly cuts grease and grime on chains and other components but is biodegradable and will not harm rubber seals or plastic parts. Contains no noxious fumes. Flip-top lid makes pouring easy.



We are committed to being the industry's tool supplier, creating 5 to 10 new tools every year.



Plier Type Chain Tool CT-2

The CT-2 is designed for fast easy removal or repair of chains. The tremendous leverage generated removes even the toughest rivets. To use, simply put the chain roller in the built-in recess and squeeze the handles. The travel adjusts to return the rivet back the proper distance. Use CTP replacement pins below.

Replacement Chain Tool Pin CTP

These pins (not shown), fit Park Tool's CT-1, CT-2, CT-3 and CT-7 Chain Tools. Made from hardened alloy tool steel.

Package carded in pairs: CTP-C

Replacement Chain Tool Pin CTP-5

These pins (not shown), fit Park Tool's CT-5 Mini Chain Brute Chain Tool. Made from hardened alloy tool steel.

Package carded in pairs: CTP-5C

Chain installation:

www.parktool.com/workshop/FAQchnRe.htm

Chain sizing:

www.parktool.com/workshop/FAQchainlength.htm



Screw Type Chain Tool CT-3

Because of the tremendous force needed to remove chain pins, our Screw Type Chain Tool is made from investment cast steel. Along with superior strength and durability, the CT-3 features a handy "loosening shelf" to remedy stiff links after reassembly. The fine thread and comfortable size enable easy removal of even the toughest chain pins. Like all Park Tool Chain Tools, it's easy to use and built to last.



Mini Chain Brute Chain Tool CT-5

This small chain tool goes anywhere and actually performs like a shop quality tool. The fine thread, special "V"-shaped handle, and super strong replaceable pin make chain removal and installation a breeze. The CT-5 works on any derailleur chain (including Hyperglide) and has a "shelf" for loosening tight links. At only 77 grams, it's the perfect take-along chain tool.

Packaged carded: CT-5C



Screw Type Chain Tool CT-7

The CT-7 Chain Tool is specifically designed to work on the wide and tall 3/16" BMX/freestyle chains now becoming popular. The CT-7 also works on 1/8" BMX/freestyle chains. Made from investment cast steel for strength and durability, the CT-7 has a replaceable driving pin (part CTP), a fine thread, and a comfortable handle. Please note: The CT-7 will not work on 3/32" derailleur or 3/32" BMX chains.



Chain Checker CC-2

To alleviate poor shifting and uneven drive train wear, most manufacturers recommend chain replacement at or before 1% stretch. Now you can quickly and accurately determine the wear and stretch of any chain with the Park Tool Chain Checker. Simply insert the Chain Checker's pins into two links, press the swing arm gauge tight, and then check the gauge window for an accurate reading.

Packaged carded: CC-2C

Chain, Frame & Fork





Crown Race Cutting Tool CRC-1

v



Bottom Bracket Facing Set BFS-1

The Bottom Bracket Facing Set is designed to be a complete self-contained facing set combining top quality precision parts, with ease of use. Simply install the threaded inserts using the facer handle, or even the Park Tool BTS-1 tap handles, then insert the facing tool through the guides and install the tension spring and speed nut. After applying a liberal amount of cutting oil, the BFS-1 easily cuts the shell material, giving you a clean, faced surface. Now you're ready to install the bottom bracket. Replacement facer (Part #690) available.





*There is no substitute
for high quality
cutting and
machining tools.*

Frame & Fork



Bottom Bracket Tapping & Facing Set BTS-1

The BTS-1 is a precision tool system which provides a piloted means of tapping the threads in the bottom bracket shell of a frame. After tapping, the taps act as guides to keep the included facing cutter perfectly square with the axis of the bottom bracket for cleanup of the faces of the bottom bracket shell. The BTS-1 includes English taps, 1.370" x 24 TPI right hand thread for the adjustable cup, and 1.370" x 24 TPI left hand thread for the fixed cup. Italian thread taps, 36mm x 24 TPI right hand thread (Part #693), for the adjustable and fixed cups are available as accessories. Replacement facer (Part #690) available.



Fork Threading Set FTS-1

The FTS-1 Fork Threading Set is designed for cutting new threads and for chasing existing threads on fork columns that are not chromed. The FTS-1's expandable cutting dies are made from the highest quality high speed steel for precision cutting and long life. The unique thread guide system used with the FTS-1 is specially designed to allow the metal chips and shavings that result during use to fall completely through the guide, preventing damage to the fork threads and the tool. The FTS-1 includes die handles, 1" x 24 tpi cutting die (Part #606), and 1" cutting guide (Part #610). 1-1/8" x 26 die (Part #607), 1-1/4" x 26 die (Part #608), 1-1/8" guide (Part #611), and 1-1/4" guide (Part #612) are available as accessories. Die handles fit all three sizes of dies and guides.



TECH NOTE

The BFS-1 uses a powerful spring that can apply significant pressure to the #690 facer. The BTS-1 relies on hand pressure to face the shell. The BFS-1 is useful for frame builders and others who need to remove large amounts of metal from the shell, while the facing feature of the BTS-1 is useful for "cleaning up" minor amounts of paint and metal from the face of the bottom



Updated



Bearing Cup Press HHP-1

Now you can easily and accurately align and press in one-piece crank hanger and headset bearing cups. Eliminate damaged, dented, chipped, or misaligned bearing cups. Our unique design permits instant removal after cups are seated, with no unscrewing to remove tool, simply slide off. The entire tool is heat treated and nickel-plated to give trouble-free service. Stepped bushings provide a precise fit and alignment for regular and oversized head and hanger cups. Extra long handles make it easier than ever to press cups.

Step Bushing Cup Adaptors 530-2

Included with HHP-1,
also available in pairs



Head Tube Reaming and Facing Set HTR-1

Proper frame preparation is very important. The HTR-1 combines reaming and facing of the head tube to create a perfect fit for most sizes of head cups. The HTR-1 comes complete with a 30.0mm reamer, and four different size pilots, (29.8mm, 30.0mm, 33.8mm, and 36.8mm). There are cases when a reamer is required to clean out or increase the diameter of the head tube. Most times however, facing of the head tube for good cup fit is the objective. In this case, reaming is not necessary and the pilots can be used in place of the reamers to keep the tool straight and create a faced head tube. The unique part of the HTR-1 is the quick-release, quick-adjust feature. The bottom portion can slide off and on easily without the long threading process. This portion of the tool can still be fine tuned while in use. The tapered centering cone unit rides on a bearing for extra smooth operation. All cutting surfaces are top quality and extra sharp.

Additional reamers available:

751	30.0mm (1") reamer (included with HTR-1)
754	33.8mm (1-1/8") reamer
755	36.8mm (1-1/4") reamer



TECH NOTE

Park Tool bottom bracket and headset cutting facers, reamers and taps are made from high-speed tool steel. Apply generous amount of machining cutting fluid, such as Park Tool CF-1, often during use. Do not allow cutting tools to bang or strike other tools, as this may damage cutting surface, and keep cutting tools clean. With use, the cutting edge will dull and require re-sharpening. While there are many variables that play a role in how long a cutting tool will stay sharp (e.g. technique used, amount and type of lubrication used, type of material being machined, etc.), in general, have the tools re-sharpened once a year. Tools can be re-sharpened by The Tool Grinder (541/858-4489), a service that specializes in sharpening cutting tools for the bike industry, or by a local industrial tool grinding company.



"Director of education Calvin Jones has trained thousands of mechanics worldwide"

Frame & Fork



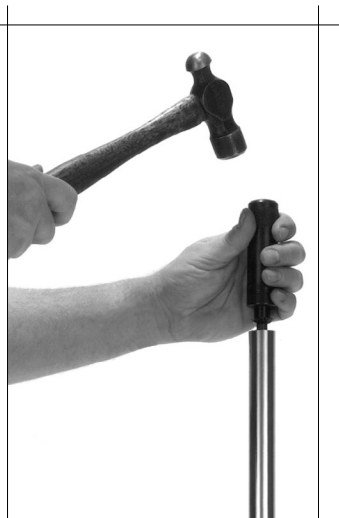
Head Cup Remover RT-1

The Park Tool Head Cup Remover makes head-set cup removal easy. The tool is pulled through the frame until the flared ends snap in behind the cup. A blow on the tool head removes the cup. Fits standard and oversize headsets. Strong, heat treated alloy steel with nickel finish.



Threadless Fork Saw Guide SG-6

Designed to ensure a straight, clean cut on threadless forks, the SG-6 fits 1", 1-1/8" and 1-1/4" forks. A must for use with threadless fork systems. Simply slide the guide onto any threadless fork, clamp it down, and cut using the narrow cutting slot. Heat treated for long life. For threaded forks, use SG-5 Guide Set which cleans the threads after cutting.



Threadless Nut Setters TNS-1 and 3

The Threadless Nut Setter is used to install the star-fangled nut found on AheadSet® and other threadless headset systems. Thread the nut onto the TNS, insert into the fork stack, and tap it in with a hammer. Sets the star-fangled nut to 15mm and keeps it straight. Uses Part 822 Replacement Set Screws.

TNS-1 fits 1" and 1-1/8" forks

TNS-3 fits Freestyle Aheadset® with hollow pull up bolt.



Park Tool Cutting Fluid CF-1

The use of cutting oil or cutting fluid is extremely important when performing any cutting, tapping, facing, or reaming operation. Park Tool Cutting Fluid is a high quality, environmentally safe cutting fluid that extends tool life and makes any frame prep job easier and safer. Park Tool Cutting Fluid can effectively be used on all metals (except magnesium). 8 oz. (237 mL) bottle.



Saw Guide Set SG-5

Cut any fork quickly and easily with these handy fork stack cutting guides. The SG-5 Guide Set contains a guide for each of the three tube diameters 1", 1-1/8", and 1-1/4". Heat treated for long life, each guide cleans the freshly cut threads upon removal so headset parts install easily. Cut as little as 1mm from any fork.

Also available individually:

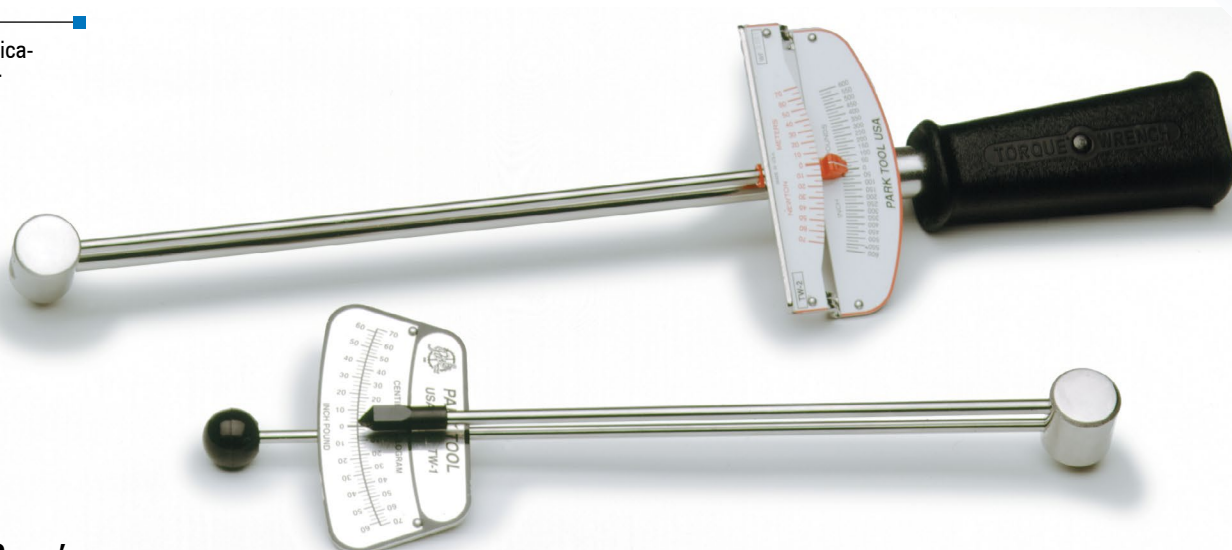
SG-1 1" cutting guide

SG-2 1-1/8" cutting guide

SG-3 1-1/4" cutting guide

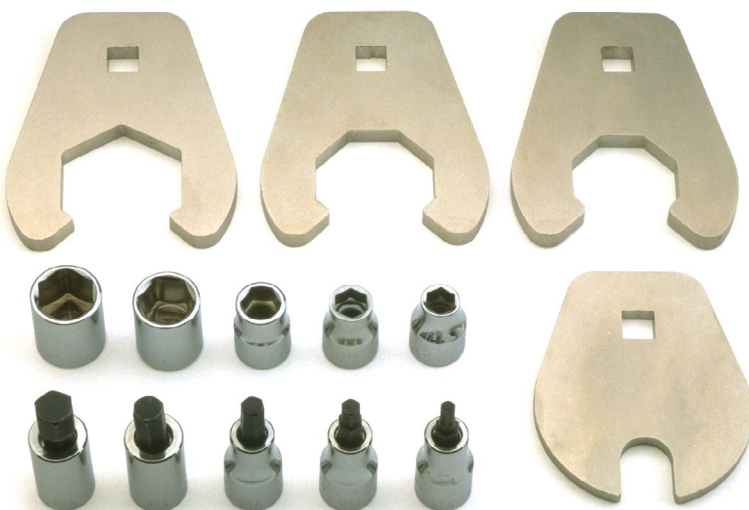
Torque Wrenches TW-1 and TW-2

Because torque specifications are now given for most parts and accessories, Park Tool offers two tough, accurate torque wrenches. The TW-1 is 1/4" drive and ranges from 0-60 inch pounds with compatible metric equivalents. The TW-2 is 3/8" drive and ranges from 0-600 inch pounds.



Torque Wrench Crow's Feet and Bit Set TWB-1

We've put together this exclusive set of sockets and bits specifically for bicycle mechanics. Our 14-piece set includes 8, 9, 10, 14, 15mm sockets; 4, 5, 6, 8, 10mm hex bits; 15mm pedal crow's foot, 32mm 8-point crow's foot, 36mm 6-point crow's foot, and 36mm 8-point crow's foot.



Torque Wrench Sockets and Bits TWB-4 through TWB-368

4mm hex bit	TWB-4
5mm hex bit	TWB-5
6mm hex bit	TWB-6
8mm hex bit	TWB-8
10mm hex bit	TWB-10
15mm pedal crow's foot	TWB-15
32mm 8-point crow's foot	TWB-32
36mm 6-point crow's foot	TWB-366
36mm 8-point crow's foot	TWB-368

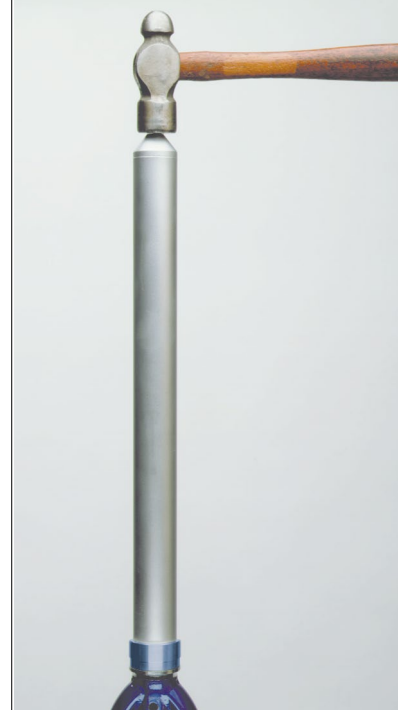


Recommended torque settings for bicycle components:
www.parktool.com/workshop/torque.htm



Crown Race Setting System CRS-1

We've taken a fresh new approach to crown race installation. Traditionally, a mechanic would slam a tube down onto the bearing surface to "set" the race in place. The CRS-1 offers a different approach that offers faster, safer, and more precise installation. The bearing surface is spared a direct hit by using different inserts to ensure proper fit on the race. Choose the correct insert then slide the tube over the fork tube and into the top end of the insert. Using a hammer, tap firmly on the end cap of the tube and seat the race into its proper place safely and accurately. The CRS-1 set includes one universal setting tube, three 1" inserts, and three 1-1/8" inserts.





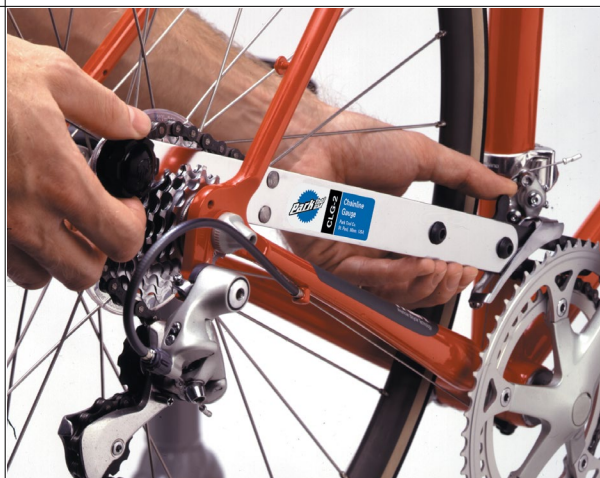
It is easy to recommend Park Tool to your customers. They can see them in use everyday firsthand in your store

Frame & Fork



Frame Alignment Gauge FAG-2

Many bicycles will not shift or track properly because the front and rear wheels are not in line with the frame. If these conditions still exist after wheel and derailleur adjustments, the seat stays, chain stays, and rear drop-outs of the frame may be misaligned. For years the accepted method to check the alignment of the rear drop-out was to run a string on either side. This method does work to some extent. However, it is not accurate because the measurement is not taken at the drop-out. With the Park Tool Frame Alignment Gauge the alignment can be checked quickly and accurately at the drop-out. Retractable pointer to fit all sizes and types of bicycles.



ChainLine Gauge CLG-2

The Park Tool ChainLine Gauge is a terrific help in diagnosing poor shifting or erratic chain characteristics. Use of this tool can help isolate the causes which range from an improperly installed rear wheel, misaligned dropouts, incorrectly dished wheels, bent rear triangle, or bottom bracket problems. The ChainLine Gauge is accurate and simple to use.



Derailleur Hanger Alignment Gauge DAG-1

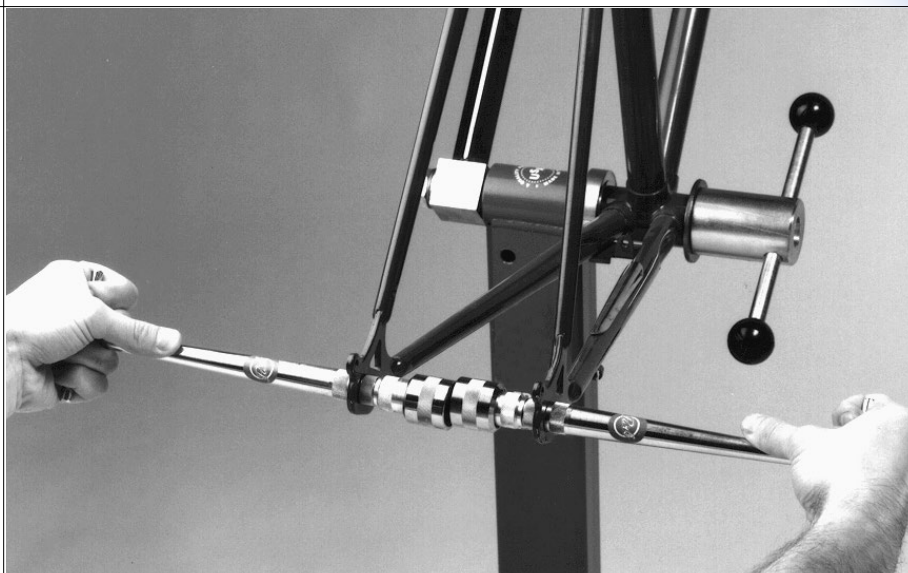
The Derailleur Hanger Alignment Gauge can help solve a multitude of derailleur shifting problems, most notably with index shifting systems. This tool is extremely steady in operation and is simple to use. The tool threads directly into the derailleur hanger. The gauge bar holds a gauge which marks the distance to the wheel. The gauge then is rotated with the wheel to the 6, 9, and 12 o'clock positions, noting any differences in measurements. The alignment of the derailleur hanger is accomplished by applying pressure to the tool's arm. The results can be checked instantly. The DAG-1 is made of heavy-gauge steel and is chrome plated for long shop life.

Frame and Fork Straightening Tools

This section is devoted to our frame and fork straightening tools. Many bicycles cannot be properly repaired or adjusted because their frames and forks are no longer true. With the high cost of new bicycles and replacement frames and forks, straightening can be a viable, cost-effective alternative. Many damaged bicycles can be safely straightened and repaired when the proper tools are used by skilled mechanics. When these tools are used to straighten and assure the alignment of a frame or fork, the repaired bicycle will be safer to ride.

CAUTION

During any repair, safety should always come first. Customers should be advised prior to straightening that not all bicycles can be repaired. After alignment, all frames and forks should be carefully inspected for cracks or kinked tubes. A customer should be advised when certain conditions render a bicycle unsafe to ride.



Frame and Fork End Alignment Gauge Set FFG-1

There are occasions, even on new bikes, when the frame and fork drop-outs are not parallel, creating bent axles or skewers, poor tracking, and even problem shifting. The Park Tool Frame and Fork Alignment Gauge Set was designed to align the drop-outs easily without elaborate fixtures. They quickly show whether the drop-outs are parallel and produce plenty of leverage to straighten them. These Park Tool gauges adjust to compensate for various hub widths. A caliper is provided for checking this dimension.



The FFG-1 is designed for dropouts using 10mm or smaller axles. Attempting to bend oversized axle dropouts may damage the tool.



Frame and Fork Straightener FFS-1

The Park Tool Frame and Fork Straightener is a versatile and productive tool. The open hook design enables it to straighten not only frames and forks, but also cranks and handlebars. Vinyl coating on the hook and on the fulcrum pad protects painted surfaces. The hook has over 8" of adjustment. Reinforced to prevent flexing.



We export to
over 60 countries
world wide



Park Tool Display System PDR-4

NEW

"The Right Tool for the Job" Over 4,000 bike shop owners worldwide rely on Park Tool Displays to help sell tools. And now, the newly updated PDR-4 Park Tool Display Center makes it easier than ever. A brand new mix of tools for maintaining most bikes, attractive new packaging and graphics, a copy of our Home Mechanic Tool Selection Guide, and a versatile rotating display that can be easily rolled from one location in the shop to another. It all adds up to create an impressive, well-defined tool and information center that sends your customers the message they've come to the right place for all their bicycle tool needs. If you're serious about selling bicycle tools, the updated PDR-4 Park Tool Display System is the right tool for the job.



Mini Wall Display PDR-5

If you don't have the space for a full display system, check out the PDR-5 Mini Wall Display. It's a great way to get your feet wet and to discover how profitable selling tools can be.

Display Center Refill Kits PDR-4RK and PDR-5K

Keep your PDR-4 Display Center or PDR-5 Mini Wall Display stocked with a full selection of the high quality tools your customers want with a PDR-4RK or PDR-5RK Refill Kit—special packages of the fastest selling Park Tool products at significant savings.



Micro Tool Box POP Display MTB-POP and MTB-POP3

A self-service display designed to showcase one of our best selling tools—the MTB-1 Micro Tool Box. The good-looking, ruggedly-constructed MTB-POP Display can be set on a countertop, attached to slatwall, or even mounted on the PDR-3 Display System. The MTB-POP included the POP display and 8 MTB-1 micro tool box. The MTB-POP3 includes the POP display and 5 MTB-1 and 7 micro tool boxes.



Spoke Wrench Belt BLT-1

With a buckle modeled after our world famous spoke wrench design, the new BLT-1 Spoke Wrench Belt is the perfect compliment to the wardrobe of any cyclist or mechanic. The buckle is made from investment cast stainless steel and the belt is woven nylon. One size fits waists up to 42". Made in USA of U.S. and imported parts.



Pint Glass PNT-1

Featuring a three color Park Tool logo, the PNT-1 Pint Glass is made from heavy-weight, dishwasher safe glass.



Big Wheel™ Pizza Tool® PZT-1

What bike shop would be complete without a good pizza cutter? The PZT-1 just happens to be a top-quality pizza cutter that looks like a high-wheeler. No hidden use, just a pizza cutter. Available only in the world famous "Park Tool Blue". Comes complete with display stand and gift box.

Toilet Paper Holder TP#2

NEW

Our Educational Director fabricated one of these a couple years ago for our new manufacturing facility. Since then, visitors have regularly commented on it and asked how they could get one. They are now available, ready to roll and unroll. The TP#2 features a TIG welded steel frame, ball bearing headset, chrome finish, and a quick release skewer for fast roll changes. The perfect accessory for the home or shop bathroom.



Shop Apron SA-1

Protect your clothes and gain the advantage of large pouch pockets whenever you work in the shop. Our full-length, shop quality aprons are made of a heavy 7-ounce poly cotton twill for comfort and durability. Navy blue with white embroidered Park Tool logo.



Shop Clock PC-1 and PC-2

These two wall clocks will dress up any shop. The PC-1 features a real rubber tire, chrome rim, two color logo, second hand, quartz mechanism, and back-lit face (110v outlet and AA battery required.) The PC-2 is an unlit version. It uses the same face, tire, rim, and mechanism - just no light.



Mousepad MP-1

Surf the web with Toolman by your side. Compatible with Mac or PC.

Coffee Mug MUG-1

There's nothing better than a steaming cup of java to start your day. And there's no better place to put that java than in a black ceramic Park Tool mug. Both sides of the mug feature the Park Tool logo in blue and white.

Mechanic's Shirt MS-1

The MS-1 Mechanic's Shirt is an oversized version of the traditional mechanic's shirt. It has two pockets and is made from a wrinkle-free 65% poly/35% cotton blend for long wear and good looks. Sizes M, L, XL, and XXL.

T-Shirt TSL-1B

Our cotton T-shirt is pre-shrunk and features a small two-color logo on the breast and an extra large two-color logo on the back. Sizes M, L, XL, and XXL.

Ball Cap HAT-1

Our cap features an embroidered Park Tool logo, a poly/wool fabric, and an adjustable backstrap.

Heavy Duty Shop Apron SA-3

Once you try on this apron, there's no going back to standard aprons. The SA-3 is made from heavy 10 oz. cotton canvas and has two rows of bar tack reinforced pockets for stashing pens, parts, tools, etc. The special crossback design and removes pressure from the neck for all day comfort. A nylon quick release makes the apron easy to adjust take off. A full 35" in length, the bottom 7" of the apron can be snapped up for a custom height fit. An embroidered Park Tool logo makes the apron as good looking (even when it's dirty) as it is functional.



New for 2002



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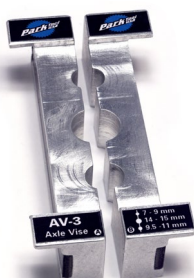
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